



DEMISON UNIVERSITY BULLETIN

Catalog Number ★ 1966-67





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CORRECTION!!!

The previous document(s) may
have been filmed incorrectly...

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DIRECTORY OF CORRESPONDENCE

GRANVILLE, OHIO, 43023

MAIL will be delivered more promptly if P.O. Box appears:

General Information	Denison University, Box 239
Admissions	Office of Admissions, Box 149
Alumni Relations	Society of the Alumni, Box 29
Athletics	Director of Athletics, Box 239
Business Matters	Business Manager, Box 652
Cashier	Cashier's Office, Box 239
Controller	Denison University, Box 239
Dean of Men	Dean of Men, Box 658
Dean of Women	Dean of Women, Box 128
Development	Director of Development, Box 599
Educational Program	Dean of the College, Box 239
Placement of Seniors	Office of Placement, Box 118
Purchasing	Office of Purchasing, Box 119
Football	Football Coach, Box 637
Graduate School Counseling	Office of Graduate School Counselor, Box 248
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President	Office of President, Box 89
Public Information	Office of Public Information, Box 509
Scholarships, Financial Aid	Office of Admissions, Box 149
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University Academic Record	Office of Registrar, Box 248
Treasurer	Office of Treasurer, Box 652

Offices in Doane Administration Building are open Monday through Friday from 8:30 a.m. to noon and 1 to 4:30 p.m. (4 p.m. EST during summer months). The Office of Admissions is open Saturday forenoons from mid-September to Commencement.

Denison
University
Bulletin



A COLLEGE OF LIBERAL ARTS
AND SCIENCES

Founded in 1831

136th Academic Year — 1966-67

VOLUME LXVI, No. 2

AUGUST, 1966

CATALOG NUMBER

The Denison University Bulletin is published by Denison University, Granville, Ohio, six times a year. Entered as second class matter and postage paid at the Post Office at Granville, Ohio 43023, under the Act of August 24, 1912.

Aerial View of campus of Denison University



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Aerial view of harbor of Detroit, Michigan

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- 
ACADEMIC BUILDINGS
 Academic Quadrangle
 Fine Arts Center
 Physical Education Center
- 
RESIDENTIAL UNITS
 Men's Residence Halls
 Women's Quadrangle
 Fraternity Row
- 
FACULTY RESIDENCES
 Chapon Place
 Samson Place
 Sheppard Place
 Sunset Hall

A View of the Campus

DENISON UNIVERSITY

Granville, Ohio

Calendar for 1966-67

1966

JULY

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1967

JANUARY

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DENISON CALENDAR FOR 1966-67

FIRST SEMESTER 1966

September 17	<i>Saturday</i>	New Student days begin
September 22	<i>Thursday</i>	Registration
September 26	<i>Monday</i>	Classes begin, 8 a.m.
October 15	<i>Saturday</i>	Homecoming
November 5	<i>Saturday</i>	Dad's Day
November 14	<i>Monday</i>	Mid-semester grades due
November 23	<i>Wednesday</i>	Thanksgiving vacation, noon
November 28	<i>Monday</i>	Classes resume, 8 a.m.
December 3	<i>Saturday</i>	Advance registration for spring semester ends
December 16	<i>Friday</i>	Christmas vacation, noon

1967

January 3	<i>Tuesday</i>	Classes resume, 8 a.m.
January 6-7	<i>Friday-Saturday</i>	Graduate record exams (seniors)
January 20	<i>Friday</i>	Classes end, 5 p.m.
January 21-22	<i>Saturday-Sunday</i>	Reading period (underclassmen)
January 21-29	<i>Saturday-Sunday</i>	Comprehensive examination reading period (seniors)
January 23	<i>Monday</i>	Final examinations begin (seniors exempt)
January 28	<i>Saturday</i>	First semester ends, 6 p.m.
January 30-February 1	<i>Monday-Wednesday</i>	Comprehensive examinations

SECOND SEMESTER 1967

February 6	<i>Monday</i>	Registration
February 7	<i>Tuesday</i>	Classes begin, 8 a.m.
March 24	<i>Friday</i>	Good Friday, classes end at noon
March 24	<i>Friday</i>	Mid-semester grades due
March 26	<i>Sunday</i>	Easter
March 31	<i>Friday</i>	Spring vacation begins, noon
April 10	<i>Monday</i>	Classes resume, 8 a.m.
April 22	<i>Saturday</i>	Advance registration for fall semester ends
May 6-7	<i>Saturday-Sunday</i>	May Day—Mother's Day
May 19	<i>Friday</i>	Classes end, 5 p.m.
May 20-21	<i>Saturday-Sunday</i>	Reading period
May 22	<i>Monday</i>	Final examinations begin, 8 a.m.
May 27	<i>Saturday</i>	Second semester ends, 6 p.m.
June 4	<i>Sunday</i>	Baccalaureate service, 3 p.m.
June 5	<i>Monday</i>	Commencement, 9:30 a.m.



Swasey Chapel

Statement of Objectives

Denison aspires to be a community of intellectual excellence and Christian ideals.

Denison intends that its students educate themselves with the aid of a Faculty devoted to teaching and engaged in advanced scholarship and research.

In addition to providing students with a proficiency in a single discipline, Denison hopes to give them a broad knowledge of the major forms of intellectual activity and to assist them in attaining an integrated conception of their own intellectual, moral, and religious life.

Denison considers its students as men and women who are becoming free. It envisions their future as a life based upon rational choice, a firm belief in the dignity of man, and charity and compassion *unlimited* by racial, cultural, religious, or economic barriers.



New facilities in Fellows Hall include the Computer Center (shown above) with Dr. Prentice instructing superior mathematics students and the modern 40-seat Language Laboratory (below).



Calendar for 1967-68

1967

JULY

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NOVEMBER

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1968

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DENISON CALENDAR FOR 1966-67

Revised November 8, 1965

FIRST SEMESTER 1966

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September 22	<i>Thursday</i>	Registration
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1967

January 3	<i>Tuesday</i>	Classes resume, 8 a.m.
January 6-7	<i>Friday-Saturday</i>	Graduate record exams (seniors)
January 20	<i>Friday</i>	Classes end, 5 p.m.
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January 21-29	<i>Saturday-Sunday</i>	Comprehensive examination reading period (seniors)
January 23	<i>Monday</i>	Final examinations begin (seniors exempt)
January 28	<i>Saturday</i>	First semester ends, 6 p.m.
January 30-February 1	<i>Monday-Wednesday</i>	Comprehensive examinations

SECOND SEMESTER 1967

February 6	<i>Monday</i>	Registration
February 7	<i>Tuesday</i>	Classes begin, 8 a.m.
March 24	<i>Friday</i>	Good Friday, classes end at noon
March 24	<i>Friday</i>	Mid-semester grades due
March 26	<i>Sunday</i>	Easter
March 31	<i>Friday</i>	Spring vacation begins, noon
April 10	<i>Monday</i>	Classes resume, 8 a.m.
April 22	<i>Saturday</i>	Advance registration for fall semester ends
May 13-14	<i>Saturday-Sunday</i>	May Day—Mother's Day
May 19	<i>Friday</i>	Classes end, 5 p.m.
May 20-21	<i>Saturday-Sunday</i>	Reading period
May 22	<i>Monday</i>	Final examinations begin, 8 a.m.
May 27	<i>Saturday</i>	Second semester ends, 6 p.m.
June 4	<i>Sunday</i>	Baccalaureate service, 3 p.m.
June 5	<i>Monday</i>	Commencement, 9:30 a.m.



DENISON CALENDAR FOR 1967-68

FIRST SEMESTER 1967

September 16	<i>Saturday</i>	New student days begin
September 21	<i>Thursday</i>	Registration
September 25	<i>Monday</i>	Classes begin, 8 a.m.
October 7	<i>Saturday</i>	Homecoming
October 28	<i>Saturday</i>	Dad's Day
November 13	<i>Monday</i>	Mid-semester grades due
November 22	<i>Wednesday</i>	Thanksgiving vacation, noon
November 27	<i>Monday</i>	Classes resume, 8 a.m.
December 2	<i>Saturday</i>	Advance registration for spring semester ends
December 15	<i>Friday</i>	Christmas vacation, noon

1968

January 3	<i>Wednesday</i>	Classes resume, 8 a.m.
January 5-6	<i>Friday-Saturday</i>	Graduate record exams (seniors)
January 19	<i>Friday</i>	Classes end, 5 p.m.
January 20-21	<i>Saturday-Sunday</i>	Reading period (underclassmen)
January 20-28	<i>Saturday-Sunday</i>	Comprehensive examination reading period (seniors)
January 22-27	<i>Monday-Saturday</i>	Final Examinations (seniors exempt)
January 27	<i>Saturday</i>	First semester ends, 6 p.m.
January 29-31	<i>Monday-Wednesday</i>	Comprehensive examinations (seniors)

SECOND SEMESTER 1968

February 5	<i>Monday</i>	Registration
February 6	<i>Tuesday</i>	Classes begin, 8 a.m.
March 25	<i>Monday</i>	Mid-semester grades due
March 29	<i>Friday</i>	Spring vacation begins, noon
April 8	<i>Monday</i>	Classes resume, 8 a.m.
April 12	<i>Friday</i>	Good Friday, classes end at noon
April 14	<i>Sunday</i>	Easter
April 27	<i>Saturday</i>	Advance registration for fall semester ends
May 4-5	<i>Saturday-Sunday</i>	May Day—Mother's Day
May 17	<i>Friday</i>	Classes end, 5 p.m.
May 18-19	<i>Saturday-Sunday</i>	Reading period
May 20-25	<i>Monday-Saturday</i>	Final examinations
May 25	<i>Saturday</i>	Second semester ends, 6 p.m.
June 2	<i>Sunday</i>	Baccalaureate service, 3 p.m.
June 3	<i>Monday</i>	Commencement, 9:30 a.m.



*Academic Quadrangle Showing Fellows Hall,
Dutton Library, and Life Science Building*

An Introduction to Denison

HISTORICAL SKETCH

DENISON UNIVERSITY, an independently administered and financed, co-educational Christian college of liberal arts and sciences, was founded in 1831 as the Granville Literary and Theological Institution by the Ohio Baptist Education Society, an organization of laymen.

Established to train men, the college became co-educational gradually after 1897 when the men from Granville College and the women from Shepardson College began to attend some of the same classes.


Since the college opened its doors in 1831, students of all races, creeds, and national origins have been eligible for admission by charter provision. Denison seeks to include in its student body persons of all backgrounds. There is no denominational test of any kind for either the student body or those appointed to the faculty and staff.

The first Commencement exercises were held in 1840 and annually thereafter except in 1853 and 1855.

In 1856 the name Denison University was adopted, but the institution has remained strictly an undergraduate liberal arts college.

In its 133 years the 14 Presidents of Denison have been John Pratt, 1831-37; Jonathan Going, 1837-44; Silas Bailey, 1846-52; Jeremiah Hall, 1853-63; Samson Talbot, 1863-73; E. Benjamin Andrews, 1875-79; Alfred Owen, 1879-86; Galusha Anderson, 1887-89; Daniel B. Purinton, 1890-1901; Emory W. Hunt, 1901-13; Clark W. Chamberlain, 1913-25; Avery A. Shaw, 1927-40; Kenneth I. Brown, 1940-50; and A. Blair Knapp, 1951-.

Granville, home of the college, is a village in central Ohio, settled in 1805 by Americans emigrating from Granville, Massachusetts. For the first quarter century the college was located on a farm one mile southwest of Granville, the present site of Middleton House, which is now the College Guest House. In 1856 the change



Dr. Knapp is Denison's fourteenth president

in location took the campus to the hill at the north edge of the village. A substantial addition to the college was made when the campus of Shepardson College for women was made part of the Denison property in the merger about 1900, although it was not consummated until 1927. The Shepardson campus is now the location for Denison's developing Fine Arts Center.

In 1917 Col. Edward A. Deeds, alumnus of 1897, donated to the college 280 acres of farm lands adjoining the campus. Subsequent additions to contiguous lands and other properties have increased the present holdings to 800 acres of which approximately 250 acres are used in the normal day-to-day operation of the college.

LOCATION

GRANVILLE is situated seven miles west of the Courthouse Square in Newark, which is the seat of Licking County; and 27 miles east of the State Capitol grounds in Columbus. It is 22 miles from the Columbus Airport.

Motorists will find that Interstate 70 is less than 10 miles south and Interstate 71 connects with Ohio 161 at Worthington (26 miles west of Granville) and with Ohio 13 four miles south of Mansfield. By the latter route travelers change to Ohio 661 at Mount Vernon. Other State routes intersecting at the environs of the village are 16 and 37.

ACCREDITATION AND RECOGNITION

DENISON IS ACCREDITED by the North Central Association of Colleges and Secondary Schools, which was formed in 1913 and had

Denison on its original list. Other agencies recognizing and approving Denison are The Ohio College Association, The Ohio State Department of Education, American Association of University Professors, American Association of University Women, Great Lakes Colleges Association, and American Chemical Society. Denison is one of five Ohio liberal arts colleges accredited by ACS.

Denison's premedical program is recognized by all Class A medical schools in the U.S.A.

The Conservatory of Music which was established in 1890 is currently a department of music. As such it is a liberal arts member of the National Association of Schools of Music.

Denison's chapter of Phi Beta Kappa was installed in 1911, and the Denison University Club of the Society of Sigma Xi was formed in 1957. Most recent indication of Denison's rank among colleges of its type was its selection as one of 47 liberal arts colleges to receive a Ford Foundation Challenge Grant. Only four institutions in Ohio were so honored.

CONTROL

AS AN INDEPENDENT COLLEGE Denison is administered by a self-perpetuating Board of Trustees composed of 36 members, 30 of whom are elected and reelected for terms of three years each. The remaining six members are chosen by the Denison Society of the Alumni, each being elected for one six-year term. The President of Denison is an *ex officio* member of the Board of Trustees.

RESOURCES AND FINANCES

AS RECORDED January 31, 1966, the total market value of Denison's endowment fund assets was \$15,317,000 of which more than \$3,000,000 represents annuity funds. The stated value of Denison's land, buildings, and equipment is slightly more than \$14,976,000. This, however, is a conservative figure, since it is based on actual building costs and has never been updated to include replacement costs. Several older buildings, which would cost \$750,000 or more each to reproduce today, are on the books for as little as \$75,000. The balance sheet shows total assets of more than \$30 million.

Endowment has been acquired through gifts and bequests. Several modern buildings have been financed through capital-gift campaigns. Endowment income plus gifts and grants are necessary to underwrite the educational budget to the extent of approximately \$500 per student per year. Nationwide solicitation called *The Annual Support Program*, which involves both alumni and parents of current and former students, has helped to raise these funds. This yielded \$145,000 in 1961-62, almost half of which came from parents. No college in the nation has, as yet, claimed comparable parental support.

In the college year 1964-65 educational and general expenses, excluding auxiliary enterprises, amounted to \$2,901,600. Income from tuition and fees totaled \$2,095,400. The difference of \$806,200 between student income and educational and general expenses comes from endowment, gifts, and grants.

The increase in the total budget over the past several years is an indication of Denison's growth since 1951. In that year the total budget, auxiliary enterprises included, was about \$1,150,000. The total budget for 1964-65 was about \$4,500,000.

During 1964-65 \$248,500 was appropriated for scholarship assistance. The corresponding figure was \$40,000 in 1951. In addition to this aid, there were substantial amounts of student loans and a significant program of student employment. Neither of these latter two forms of student aid is included in these figures.

SPECIAL AFFILIATIONS AND RESOURCES

THE COMPUTER CENTER was established in 1964 to meet the growing research needs of the faculty and students. Located in a separately air-conditioned area in the new Classroom Building, the center houses, in addition to the main frame of the computer, magnetic tape units with a combined on-line storage capacity of 12 million characters, a floating-point unit for scientific computations, card input-output units, a line printer, card punches, and card sorters. Courses are offered by the mathematics department in elementary programming for the general student in addition to advanced courses for majors. The center may be used by any student enrolled in a class requiring its use or by faculty or students engaged in research.

An Introduction to Denison

THE BIOLOGICAL RESERVE, a 150-acre multioriented facility for the study of natural phenomena, was established in 1965 and dedicated in 1966. By its dedication, Denison has indicated its intent to actively support a program of teaching and research devoted to the inherently complex area of the biology of natural science. The Reserve borders the north edge of the college. Its facilities include a laboratory, an office, a weather station, and a number of experimental plots currently being developed into a variety of outdoor laboratories. The Reserve is being designed to include as many diverse habitats as the terrain and facilities permit.

THE DENISON UNIVERSITY RESEARCH FOUNDATION, established in 1942 by a gift from Elmer M. Jones, Class of 1903, fosters and encourages constructive research in the arts and sciences by awarding Research Scholarships to men and women of promise—both faculty and graduate students.

THE DENISON BUSINESS COUNCIL was formed to relate the classroom program more closely to vocational performance. By invitation a number of outstanding businesses have affiliated themselves with the University as members of the Denison Business Council.

These firms are Battelle Memorial Institute, Columbus, Ohio; The Corrugated Container Company, Columbus, Ohio; General Electric Company, Coshocton, Ohio; General Motors Corporation,

Doane Administration Building houses college offices



Dayton, Ohio; The Goodyear Tire and Rubber Company, Akron, Ohio; The F. & R. Lazarus Company, Columbus, Ohio; McKinsey and Company, Inc., New York, New York; The National Cash Register Company, Dayton, Ohio; The Ohio Power Company, Newark, Ohio; The Ohio Bell Telephone Company, Columbus, Ohio; Owens-Corning Fiberglas Corporation, Toledo, Ohio; Park National Bank, Newark, Ohio; Sears, Roebuck and Company, Chicago, Illinois; The Standard Oil Company (Ohio), Cleveland, Ohio; Stouffer Foods Corporation, Cleveland, Ohio; Suburban Motor Freight, Columbus, Ohio; TRW Inc., Cleveland, Ohio; United Air Lines, Chicago, Illinois; and The Union Central Life Insurance Company, Cincinnati, Ohio.

The Denison Business Council makes available to the students the counsel of policy-making officers of the several companies, provides on request classroom speakers on special topics and case-study materials from company files, and encourages company visitations for firsthand observation of various business operations.

THE DENISON SCIENTIFIC ASSOCIATION, established in 1887, issues the *Journal of the Scientific Laboratories* and meets biweekly for the presentation of scientific papers by faculty and students. The *Journal*, founded by Professor Clarence Luther Herrick in 1885, has an international reputation.

DENISON ALSO PUBLISHES several other periodicals, including the *Psychological Record* (1959), quarterly journal dealing with theoretical and experimental psychology, and the *Journal of Biological Sciences* (1964), research, attitudes, and book reviews.

A monthly publication, *at Denison*, was established in 1941. Enlarged in 1953, it circulates free of charge among alumni, trustees, faculty, students, parents of students, Baptist ministers of Ohio, principals, headmasters, and guidance officers of secondary schools, and a host of other friends of Denison.

The Alumni Office publishes a quarterly journal, *The Alumnus*, sent to graduates and former students.

THE GREAT LAKES COLLEGES ASSOCIATION was organized in 1961 as a cooperative venture for the improvement of higher education in its member colleges. Denison is one of the original 12 private liberal arts colleges which comprise the GLCA. Since its inception,

An Introduction to Denison

the GLCA has established numerous programs such as 10 different projects to provide opportunities for faculty research, study, and reinforcement of specialized scholarly pursuits; student study-abroad plans in established centers in Latin America, Japan, Scotland, and Lebanon (See *Off-campus Programs*); special programs for non-Western studies supported by the Ford Foundation and a new science-teacher program supported by the Kettering Foundation; and cooperative plans being made for the pooling of both faculty and physical resources in many areas including libraries.

Other cooperating institutions in the GLCA are Antioch, Kenyon, and Oberlin colleges, the College of Wooster, and Ohio Wesleyan University, all in Ohio; DePauw University and Earlham and Wabash colleges in Indiana; and Albion, Hope, and Kalamazoo colleges in Michigan.

THE OHIO FOUNDATION OF INDEPENDENT COLLEGES, INC., was established in 1951 to raise funds cooperatively from corporations for higher education in private, liberal arts colleges in the State. Denison is one of the original 19 charter members of the OFIC. The OFIC now has 34 member colleges and each year has led the nation's 40 similar state associations in contributions and number of supporters.

CAMPUS

DENISON'S CAMPUS, which consists of 800 acres on College Hill and adjacent land in both the valleys to the north and the south of the hill, provides ample space for expansion.

On the horseshoe-shaped ridge the major academic buildings are at the center—the library, classroom buildings and laboratories, the college union, and the chapel. At the east end are the women's residence halls and dining hall, and the college hospital. To the west are two men's residence halls and ten fraternity chapter houses.

Bookstore has spacious quarters



In the valley directly north of the ridge lie the extensive athletic and recreation fields and the buildings providing facilities for various sports.

On the Lower Campus to the south of the ridge are the buildings used for the Fine Arts and eight sorority chapter houses. The other sorority chapter home is in the next block.

BUILDINGS

SWASEY CHAPEL with its stately tower dominates the Denison campus and serves as a landmark to travelers approaching Granville. The building, dedicated in 1924, was named in honor of the donor, Dr. Ambrose Swasey. The chimes in the chapel tower are a memorial to his wife, Lavinia Marston Swasey. The original organ was completely rebuilt and doubled in size in 1954. Swasey Observatory, built in 1910, stands directly east of the Chapel.

The William Howard Doane Library. This structure stands at the head of the Academic Quadrangle. Erected in 1937, it replaced the original building presented by Dr. Doane in 1878. The newer structure was the gift of his daughters, Mrs. George W. Doane and Miss Ida Frances Doane. The library at the end of 1966 will have in excess of 155,000 volumes not counting government publications, which bring the total to 350,000 volumes. Periodicals received exceed 900. In order that the library may best serve the total needs of the student, the general book collection in the stacks is open to every student. Carrels and seminar rooms offer special facilities for independent study and research.

Doane Administration Building. The one-time academy building contains the college offices. It was the gift of Dr. Doane in 1894.

Life Science Building. Erected in 1941, it is used by the departments of biology, psychology, and philosophy. This building was the gift of Miss Ida Frances Doane.

Barney Science Hall. It is used by the departments of geology and geography, mathematics, and physics. It was the gift of Eugene J. Barney as a memorial to Eliam E. Barney, his father, and was erected in 1905.



*Slayter Hall, the
College Union, has
spacious lounges
(above), private
mail boxes for
students (right),
and Snack Bar
(below)*



Talbot Hall. This classroom and office building for the departments of economics, education, government, religion, sociology, and speech is scheduled to be replaced in the near future.

Chemistry Laboratories and Auditorium. This new complex opened for use during the 1966-67 academic year has a three-story laboratory block, offices, classrooms, and a 292-seat circular auditorium.

Denison Fellows Hall. The departments of English, history, and modern languages are housed in this unit, opened in 1965. In addition, the Computer Center is located in this building. The unit is directly south of the Life Science Building.

Slayter Hall. This College Union building, the gift of Dr. and Mrs. Games Slayter, was built on the Academic Quadrangle in 1961-62. It contains the Bookstore, mail room and individual boxes for all students, lounges, bowling lanes and other recreational facilities, the college Snack Bar, offices for student organizations and the Dean of the Chapel, meeting rooms, and a 300-seat auditorium equipped for motion pictures.

Whisler Hospital. Built in 1929, it is a memorial to Helen Arnett Whisler, and is located near the Women's Quadrangle.

Cleveland Hall. Located on the south slope of College Hill near the Lower Campus, is the Women's gymnasium. Given by friends of the college living in Cleveland, it served as the Men's gymnasium from the time it was built in 1905 until 1950. In the near future it will be converted to other uses when the Women's gymnasium unit is built to complete the Physical Education Center.

Doane Art Building. On the Lower Campus, this building was erected in 1905 by a gift from Dr. W. H. Doane to serve as the gymnasium for women. In 1953 it was remodeled for its present use. It contains studios, classrooms, and an art gallery for the display of exhibit material.

Theatre Arts Building. Erected in 1956 on College Street on the Lower Campus, it contains the workshop for building scenery and making costumes with ample space for storing both scenery

and costumes. Its small 200-seat auditorium, known as the Ace Morgan Studio Theatre, is named for a former student, LeRoy Morgan, Class of 1945, who lost his life in World War II. Its library contains the Ethel R. Outland Theatre Collection.

This building is the first new unit of the much larger Fine Arts Center that eventually will provide a large air-conditioned theatre seating 600, music classrooms and studios, and a recital hall.

Other buildings in the Lower Campus group are Recital Hall; Burton Hall, which houses the department of music; Shepardson Hall, headquarters for the Air Force ROTC; King Hall, residence for upperclassmen; and Stone Hall apartments for faculty, staff and students.

Physical Education Center. Located just east of Deeds Field, it was completed in 1950. Primarily the center of physical education for men, it serves a variety of college and community uses. The only section named when the building was erected was the Alumni Memorial Field House. This portion contains the indoor track and the undercover practice area for football, baseball, tennis, and other teams.

In 1957 the remainder of the building was named the Livingston Gymnasium in honor of Walter J. Livingston, Class of 1909, who served as director of athletics from 1911 to 1952. This portion contains a completely modern gymnasium with apparatus and equipment rooms, classrooms, offices, and a spacious basketball court capable of seating 3,000 spectators. Adding greatly to the recreational and cultural facilities of Licking County, the Center provides adequate space for major events such as commencement exercises and May Day programs.

In 1962 the Gregory Swimming Pool, named in memory of Mitchell O. Gregory, Class of 1929, an outstanding athlete, was completed. It serves the needs of both men and women. An additional wing to serve as the Women's Gymnasium is to be erected soon.

On the north campus at the center of the women's athletic grounds is Lamson Lodge, named for the donor, Julius G. Lamson. It serves as a shelter house and recreation classroom.

LIVING UNITS

DENISON RECOGNIZES the experience of group living as an important part of a college education. To that end the University operates residences and dining halls for all women students and for all freshman men. Most of the rooms accommodate two students each, but many of the upperclass women live in suites for three or four students. Upperclassmen live in one of 10 fraternity chapter houses, in three college-operated residence halls as accommodations are desired, or in approved private dwellings in the village.

Women's Quadrangle. Located on College Hill, at the eastern end of the ridge, it consists of seven residence halls accommodating approximately 700 women. They are Shaw Hall, named in honor of the late President and Mrs. Avery A. Shaw; Beaver Hall, named in honor of Mary Thresher Beaver; Sawyer Hall, named for Charles Sawyer, an early benefactor of higher education for women; Deeds Hall, built in 1953 and named for Edith Walton Deeds, wife of Colonel Edward A. Deeds, Class of 1897; and two halls built in 1960. The latter are Crawford Hall, residence for 200 freshmen, named for Frederick C. Crawford; and Huffman Hall, dining hall with rooms for 77 women on the two upper floors, named for three generations of the Huffman family of Dayton, Ohio, who have served as Denison Trustees. Gilpatrick House became the International House in 1966.

Sororities maintaining chapters at Denison are Chi Omega, Kappa Alpha Theta, Delta Delta Delta, Kappa Kappa Gamma, Alpha Phi, Alpha Omicron Pi, Delta Gamma, Pi Beta Phi, and

Freshman women live in Crawford Hall





Huffman Hall has dining facilities for all board students and rooms for 77 upperclass women

Alpha Chi Omega. Their chapter homes are used for social purposes only, not as residences for students.

ALL FRESHMAN MEN live in college-operated residence halls. Curtis Hall, both West and East wings, accommodates 175 students, and Smith Hall houses 130 students, including some upperclassmen in each unit. Currently a new men's residence hall, which will accommodate 265 students, is under construction and scheduled to be completed by the beginning of the 1967-68 academic year. The Curtis Hall Dining Room, which provides meals for all men's residence hall occupants, also is under construction this year. Because of this, all men board students will be taking their meals at Huffman Dining Hall during the 1966-67 year.

Curtis West, erected in 1940 as a memorial to Lanson Stage Curtis of the Class of 1896, was made possible by a gift from his mother, Mrs. Annetta R. Jewell. The East wing was added in 1946. Smith Hall, built in 1953, was named for Franklin G. Smith, honorary chairman of the Denison Board of Trustees.

Fraternities with chapters at Denison are Sigma Chi, Beta Theta Pi, Phi Gamma Delta, Kappa Sigma, Phi Delta Theta, American Commons Club, Lambda Chi Alpha, Sigma Alpha Epsilon, Delta Upsilon, and Alpha Tau Omega. The 10 chapter homes house most of the upperclassmen.

King Hall. On the Lower Campus, this building is also operated as a living unit for upperclassmen.



Freshman men live in Curtis Hall — east and west wings



*King Hall
is a men's
living unit*

Entering students and upperclassmen live in Smith Hall



*Dean Woodyard preaches
regularly at Thursday
evening chapel services*



Activities

RELIGIOUS ACTIVITIES

THROUGH THE CHAPEL SERVICES and the several religious organizations on the campus, students and faculty may actively share religious life. Academically, Denison provides instruction in religion and/or philosophy through regular course offerings in the departments of religion and philosophy on an elective basis.

The college provides a weekly worship service in Swasey Chapel under the direction of the Dean of the Chapel. These services are non-denominational but seek to encourage the student to think through his own problems from the Christian standpoint. Attendance at these services is voluntary.

The Denison Christian Association, under the direction of the Executive Secretary, sponsors religious activities. Included are vesper services; special programs for the discussion of ethical and religious problems; many community service programs; field trips to study social problems; Bonds of Friendship, which is the annual campus-wide campaign for funds for foreign students at Denison and for other philanthropies; and deputation teams which visit churches of many faiths in the vicinity of Granville.

PERSONALIZED EDUCATION

IN AND OUT OF THE CLASSROOM, a Denison education is a personalized education which fosters intelligent and responsible living. Recognizing that the personal achievement and personal culture of our college students become the ultimate standards of our nation, Denison has planned its total educational program accordingly. In the classroom the student receives a varied and valuable acquaintance with significant aspects of our American heritage and



Communion Service in Suasey Chapel

with current developments in our culture. In the extraclass program he has special opportunity to broaden this acquaintance and to pursue personal interests which will give him the enduring rewards that intellectual living can give.

STUDENT PUBLICATIONS

ANY STUDENT who is interested in writing, editing, or otherwise assisting in the production of a publication has an opportunity to join the staffs of *The Denisonian*, the weekly newspaper; *Exile*, the semi-annual literary magazine; and the *Adytum*, the yearbook.

A limited number of students also submit papers to the *Journal of the Scientific Laboratories*, the *Journal of Biological Sciences*, and other publications of an academic nature.

CULTURAL ADVANTAGES

ENRICHING EXPERIENCES offered by the fine arts are made available to every Denison student. Numerous art exhibits are held each year, and student work is frequently shown. An Art Treasure Collection has been assembled, and valuable tapestries, paintings, vases, and other *objets d'art* are on display.

Opportunities to hear and to participate in the production of good music are provided by concerts by the Denison choral groups; recitals by students, faculty, and guest artists; special programs by choral groups, and the Denison String Orchestra. Musicians of national reputation are brought to the campus in concerts arranged by the Granville Festival Association in cooperation with the college.

Convocations with speakers of note are held periodically. These programs are scheduled for Mondays at 11 o'clock except when the speaker or artist is to be shared with the public in a lecture or concert or dance recital. On those occasions the program is shifted to an evening at 8:15.

The Denison Society of Arts and Letters provides regular programs of literary and cultural papers and discussions open to the student body and the public.

Dramatic productions of professional excellence are presented by the department of theatre arts.

Public speaking and debating have long been important cultural activities at Denison. In addition to the varsity debating and intramural speaking contests for men, Denison has intercollegiate forensics for women and for freshmen.

The Denison Campus Government Association also has its student-owned radio station, WDUB, which is inactive until its new facilities are completed in the proposed classroom building.

Every Denison student is urged to take an extraclass interest in one or more academic areas. To encourage personal contributions by each student, *departmental clubs exist in almost every field of study.*

MUSICAL ORGANIZATIONS

Concert Choir. This organization of 110 mixed voices presents a major choral work each semester with orchestra and guest soloists. Recent performances have included Bach's *Magnificat* and *Mass in B Minor*, Haydn's *Creation*, Mozart's *Mass in C Minor*, Brahms' *Requiem*, Bruckner's *Mass in F Minor*, and Mendelssohn's *Elijah*.

Theatre Workshop also houses Ace Morgan Theatre



Activities

Band. The band provides music for the football games, the May Day ceremony, and presents a spring concert.

The Denison String Orchestra. This orchestra affords the student the opportunity of playing in concerts and in both music festivals. Members are also invited to play in the Licking County Symphony Orchestra.

The Chapel Choir. This group of 50 voices sings at student chapel services, appears in a home concert, and prepares several major works during the year.

Denison Madrigal Singers. This is a small vocal ensemble devoted primarily to the secular literature of the late 16th and early 17th centuries. Non-credit.

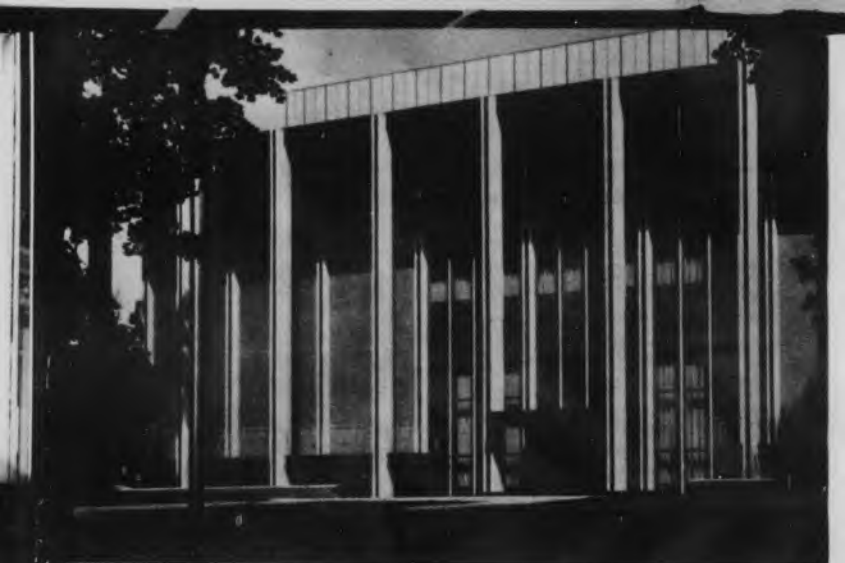
STUDENT GOVERNMENT

DENISON STUDENTS operate their own student organizations with a great degree of freedom and are regular members on policy-making groups of the University's administrative bodies, such as the committees on admissions, curriculum, and activities. The principal elective student officers direct the activities of the Denison Campus Government Association and serve as the student representatives on the Student-Faculty Council. This council recommends to both the Student Senate and the Faculty improvements in the regulation of campus activities.

The Denison Campus Government Association functions through the Senate, the Women's Council, the Judicial Councils, and Auto Court. Students are also members of 11 faculty committees.

In each college-operated residence hall a House Council, made up of elected students, is responsible for hall activities in cooperation with the Assistant Deans of Women.

Responsibility for upholding the Denison code of social self-government rests with each student. Under this system the student can enjoy freedom within the limits of good taste and conduct; however, the effective functioning of the code requires that he accept fully the responsibility that goes with it. *Attendance at Deni-*



Slayter Hall is College Union

son is a privilege, not a right. And Denison's traditions and principles, accepted by each student in his act of voluntary registration, require conduct in keeping with the standards of good society. *The University specifically forbids the possession or use of alcoholic beverages on the campus, in the fraternity and sorority houses, college buildings, and in any college-approved off-campus housing.* Any student who indicates his unwillingness or inability to accept this responsibility may be asked to withdraw at any time. The policies and regulations governing student life are printed in the *D Book*, student handbook.

The Inter-Fraternity Council and the Panhellenic Council work through the 10 fraternities and nine sororities in developing an adequate social program. All of these organizations maintain chapter houses on or near the campus, generously sharing their facilities with the students, faculty, and townspeople.

SPORTS ACTIVITIES

THE ATHLETIC PROGRAM at Denison is an integral part of the physical education curriculum. Each student is encouraged to participate as fully in intramural and intercollegiate athletics as his

academic program permits. The University provides professional coaching, excellent training facilities, and athletic equipment and supplies. It carefully supervises all intramural and intercollegiate sports.

Denison engages in intercollegiate football, soccer, basketball, swimming, track, cross-country, baseball, tennis, golf, lacrosse, and wrestling. It also has an Ice Hockey Club.

In its intercollegiate program for both men and women, the University seeks to compete with institutions of similar size and similar educational and athletic standards.

Denison is a member in good standing of the National Collegiate Athletic Association and the Ohio Athletic Conference.

The athletic policy of Denison University is controlled in its entirety by the faculty. The department of physical education operates within the academic budget, and all receipts from and expenditures for intercollegiate contests are handled by the University controller.

Denison's intramural athletic competition is one of the most extensive in the nation. It excludes men on varsity teams. Contest areas are football, speedball, basketball, track, wrestling, volleyball, softball, swimming, tennis, golf, handball, paddleball, table tennis, and bowling.

Denison women have instruction and faculty supervision for intercollegiate teams in basketball, bowling, golf, field hockey, swimming (both speed team and synchronized club), and tennis. In addition, women participate in intramurals in seasonal activities.

Facilities for women include separate playing fields for archery, hockey, lacrosse, soccer-speedball, six tennis courts, riding ring and nature trails, and an unusually fine area within the Biological Reserve for Outdoor Education activities. Indoor facilities include Lamson Lodge, Cleveland Hall, and joint use with the men of the Gregory Swimming Pool.

Deeds Field. This area was named for the donor, Colonel Edward A. Deeds of the Class of 1897. It utilizes the natural amphitheatre on the slope to the north of the Chapel. The football field and stadium were built in 1922.



first in broad jump



Gridlers compete in 15-team Ohio Conference



*Big Red produces batting champion
Cagers battle*



Lacrosse team wins Midwest title



Ebaugh Pond is in campus recreation area



Student Services

DENISON'S COUNSELING program functions to help the student make the best possible adjustment to college life. In the classroom, faculty members and students share the learning process in a way possible only in a small college. Outside the classroom, every student has access to a complete counseling service. A program of orientation for new students is provided during the week preceding registration.

COUNSELING STAFF

THE COUNSELING STAFF includes the Deans of Students, the Director of Graduate School Counseling, the Director of the Psychological Clinic, the College Physicians, specialists in family life and religion, the Director of Student Employment and Placement, faculty counselors, departmental chairmen, two Assistant Deans of Women, senior head residents for men, and student advisers for men and for women.

Counseling of Freshmen. A freshman is assigned to a selected faculty counselor who works with him through his first two years or until he chooses a major field. When he makes the choice of a major field, the student is assigned to a faculty counselor in the department in which he has chosen to major. A faculty counselor helps the student plan an academic program consistent with the aims and obligations of a liberal arts education, and a program which is in keeping with the student's abilities, aptitudes, and aspirations.

Student Advisers. In the residence halls student advisers, a selected group of upperclass students, help freshmen to understand many aspects of college life. Two Assistant Deans of Women serve as residence counselors for women, one in the freshman women's area and the other in the upperclass women's area. The senior head residents in each hall for men also advise students.



Dean Smith and senior head residents confer



*Student government
president chats
with senior leaders*

Dean Hartshorn chats with women's leaders



Veteran Counseling. Matters involving students who have been in a branch of the military service or those who are sons or daughters of deceased veterans are handled by the Dean of Men.

Graduate School Counseling. Since a majority of the students seek additional training in professional and graduate schools after completing their requirements for a bachelor's degree from Denison, a faculty member has been selected to give guidance in addition to that of the departmental adviser. His help includes personal counseling on educational and vocational problems; information about advanced programs of study in graduate and professional schools, and the opportunities for scholarships, fellowships, and assistantships. Many tests are available to the student—tests of intelligence, interest, aptitude, achievement, and personality.

OFFICE OF STUDENT PERSONNEL

THE OFFICE OF STUDENT PERSONNEL has been established so that students may turn to it in finding and using the various resources at Denison. It is staffed by the deans of students (Dean of Women and Dean of Men), the Director of the Psychological Clinic, the Director of Graduate School Counseling, and the Director of Student Employment and Placement. In addition to providing specialized counseling for individuals the Office of Student Personnel coordinates many student activities. It keeps for each student a cumulative personnel record; it helps each student to discover his own interests and aptitudes so that he may wisely plan his entire college program.

STUDENT EMPLOYMENT

GRANT-IN-AID work is made available to a limited number of worthy students who need to earn a part of their expenses in college. Denison is thus maintaining a tradition established by its founders. A variety of work is offered, such as assisting in the laboratories, residence halls, dining halls, and academic and business departments.

Application for Work. A student seeking employment on the campus should apply to the Office of Student Employment and Placement.

STUDENT HEALTH SERVICE

DENISON RECOGNIZES its responsibility for the health and well-being of its students by providing medical service, adequate health instruction, and the efficient administration of dining halls and residence halls. Three Physicians comprise the staff of Whisler Memorial Hospital. Five registered nurses assist in maintaining an up-to-date clinic where prompt medical attention is available. The Physicians may be consulted for examination and treatment at specified hours, and a trained nurse is on duty at all times.

Instruction Offered. That students may develop habits of good health, instruction in health is provided in the department of physical education. Programs of study and training are designed to meet hygienic and recreational needs.

Food Preparation. In administering the residence halls and dining halls, Denison takes every safeguard to protect the health of its students. Trained dietitians supervise the choice, preparation, and serving of food.

Mr. Cox is director of Food Services





Dr. Tritt is director of psychological clinic

MILITARY ADVISER

THE MILITARY ADVISER counsels a student concerning his obligation under Selective Service and makes the official statement (SSS 109—*Student Certificate*) concerning the student's enrollment at Denison. In order to make the official statement the Military Adviser must be given, by the student, his full name, home address, selective service number, and number and post office address of the student's Selective Service Board. The Military Adviser also makes available information concerning opportunities for securing a commission in the Army, Air Force, Coast Guard, Marine Corps, and Navy. He serves in a liaison capacity between Denison and its Air Force ROTC Unit.

BUSINESS PLACEMENT

THE OFFICE OF PLACEMENT is responsible for counseling the student seeking full-time employment in business, industry, or governmental service after graduation. Alumni of Denison are also eligible for this service.

TEACHER PLACEMENT

DENISON'S DEPARTMENT OF EDUCATION maintains a separate appointment service to assist graduates in seeking first teaching positions and in transferring to better positions upon evidence of successful experience.



Using a library listening room

Scholarships and Financial Assistance

DENISON UNIVERSITY recognizes that every student, accepted for admission, is considered to be potentially eligible for a scholarship. Qualifications considered for the award of a scholarship include academic achievement and promise as indicated by class standing and College Entrance Examination Board scores, citizenship, and leadership in extracurricular activities.

Financial need, in addition to the qualifications mentioned above, is a vital factor in awarding scholarships and financial assistance. Denison participates in the College Scholarship Service (CSS) of the College Entrance Examination Board. The CSS assists colleges and universities and other agencies in determining the student's need for financial assistance. Entering students seeking financial assistance are required to submit the *Parent's Confidential Statement* (PCS) form to the College Scholarship Service, designating Denison as one of the recipients, by January 1 for students requesting Early Consideration (*see Admission*) and by March 1 for all other students. The PCS form may be obtained from a secondary school or the College Scholarship Service, P.O. Box 176, Princeton, NJ 08540, or P.O. Box 1025, Berkeley, CA 94701.

For a student already enrolled at Denison the *Parents' Confidential Statement* will be furnished by the Chairman of the Committee on Scholarships.

Scholarships and Financial Assistance

Tuition Scholarships. These scholarships are equal to Denison's tuition. For entering freshmen they are for four years, provided the student maintains a 3.25 cumulative grade-point average at the end of each academic year.

Honor Scholarships. These scholarships are of varying amounts. For entering freshmen they are for four years, provided the student maintains a 3.0 cumulative grade-point average at the end of each academic year.

Founders' Scholarships. These scholarships are of varying amounts. For entering freshmen they are for four years, provided the student maintains a 2.75 cumulative grade-point average at the end of each academic year.

Grants-in-aid. These amounts vary. They are awarded for one year but may be considered for renewal for the succeeding year by the Committee on Scholarships upon completion of a *Parents' Confidential Statement* sent to the student by the Chairman of the Scholarship Committee. The Committee reserves the right to vary the amount of the grant-in-aid contingent upon the financial need of the student.

The renewal of a *grant-in-aid* in any amount, in addition to the conditions set forth above, will be based on the following requirements: a 2.2 average in the freshman year for a grant in the sophomore year; a 2.4 average in the sophomore year for a grant in the junior year; and a 2.6 average in the junior year for a grant in the senior year.

In every year, except the freshman year, all scholarships will be terminated for the second semester if the academic average, not cumulative, for the first semester is below 2.0.

Exceptions may be made by the Scholarship Committee in cases involving significant contributions to Denison or extenuating circumstances.

SPECIAL SCHOLARSHIPS

Sons and Daughters of Baptist Ministers or Missionaries. These are four-year scholarships with an annual stipend of \$500. They are awarded in recognition of Denison's heritage from the Baptist denomination throughout the history of the institution.

General Motors. One four-year full-expense scholarship is awarded each year by the Denison Committee on Scholarships in recognition of outstanding ability, accomplishment, and academic promise. These scholarships are made available to Denison by the General Motors Corporation, Detroit, Michigan. They carry a stipend equal to the difference between the amount the candidate and his family can pay and the normal cost of the college year. The awards are continued over four years dependent upon a high standard of performance.

The Grand Lodge of Free and Accepted Masons of Ohio. This scholarship is for one year but may be renewed by the Committee on Scholarships. The annual stipend is \$400.

Granville Centennial Scholarships. These are four-year scholarships with an annual stipend of \$150. It is awarded to the highest ranking student in the graduating class of the Granville High School, exclusive of the sons and daughters of Denison University's faculty and staff members. This scholarship was established in recognition of contributions made by residents of Granville to the Centennial Endowment Fund in 1931.

The Hayes Key Club. These scholarships are for members of the Key Club of Licking County, Ohio, or, in the absence of such members, members of some other Key Club. The recipients must have financial need to be determined by the completion of the *Parents' Confidential Statement*.

The William E. Miller and Annie Scheidler Miller Memorial. This scholarship is for the freshman year only and is to be awarded to a graduate of the Newark, Ohio, High School. Preference is to be given to a man but it may be awarded to a woman.

LaVerne Noyes Scholarships. These scholarships are for students who need financial assistance and who are blood descendants of those who served in the Army or the Navy of the United States in World War I. Applications are available from the Admissions Office. A *Parents' Confidential Statement* must also be completed.

Procter and Gamble. A program established in 1955 by the trustees of the Procter and Gamble Fund makes available annual

Scholarships and Financial Assistance

scholarships for entering freshmen, renewable annually throughout the four years on the basis of successful undergraduate performance and continuing financial need. The Denison Committee on Scholarships will administer the scholarships, selecting the recipients from all eligible candidates on the basis of its own standards of academic achievement and on the basis of the recipient's financial need determining the amount of the annual stipend. The student may select his or her own course of study.

Spencer Memorial. This is a four-year scholarship and is to be awarded to a graduate of the Newark, Ohio, High School.

United States Air Force. See Aerospace Studies.

SCHOLARSHIPS FOR ENROLLED STUDENTS

HONOR SCHOLARSHIPS

Kenneth I. Brown. This scholarship, established by the Danforth Foundation, Inc., Saint Louis, Missouri, to honor its executive director (1951-61) who also served as the 13th President of Denison University (1940-50), is awarded by the Committee on Scholarships to a senior or junior man who is interested in a college teaching career. The annual stipend is not less than \$1,200 nor more than \$1,500. Selection is based on high scholastic ability, character, and personal qualifications.

Walter Leroy Flory. This scholarship is for a senior man who may be expected to graduate with his class, and be adjudged by the Committee on Scholarships to show promise of professional success and leadership.

Phi Beta Kappa Golden Anniversary. This scholarship was established by the Theta of Ohio Chapter of Phi Beta Kappa on the 50th anniversary of its installation at Denison University. Students of outstanding scholarship within the fraternity are designated by officers of the chapter.

*Phi Beta Kappa
Scholarship Cups
go to top-ranking
social groups*



Ebenezer Thresher. This scholarship, one for a student in each of the four classes, is awarded to a man by the Committee on Scholarships. Qualifications for selection include an outstanding academic record, promise of usefulness, and unquestionable moral character. Awarded at the end of the first semester, the scholarship is renewed for each succeeding semester provided the student maintains a 3.0 cumulative grade-point average.

DEPARTMENTAL SCHOLARSHIPS

Gertrude Carhatt Breilsford. These scholarships are awarded upon recommendation of the Department of Music.

Mary Hartwell Catherwood. These scholarships are awarded upon recommendation of the Department of English to a junior or senior definitely planning a career in writing.

Willis A. and Frances W. Chamberlin. These scholarships are awarded to students of high scholarship majoring in the humanities.

George K. Goulding Memorial. These scholarships are awarded upon recommendation of the Department of Music.

Lubrizol. This scholarship, supported by the Lubrizol Foundation, Cleveland, Ohio, is awarded upon the recommendation of the Department of Chemistry to a student majoring in that department.

E. Clark and Irma H. Morrow. These scholarships are awarded, upon recommendation of the donors, Mr. and Mrs. Morrow, to juniors or seniors who are taking pre-law courses and intend to enter law school. Scholarships are to be granted on the basis of need to students who submit, prior to June 1, an essay on the subject, *My Philosophy of Law*.

Peoples State Bank of Granville, Ohio. These scholarships are awarded, upon recommendation of the Department of Economics, to students majoring in that department.

Presser Music Foundation. An annual stipend of \$400 is made available by the Presser Music Foundation to students planning

Scholarships and Financial Assistance

to make their living by music. Selection of the recipients is made upon recommendation of the Department of Music.

Juliet Barker Sarett. These scholarships are awarded to students who have shown general excellence in their academic work, particularly in English and in Theatre Arts. They are awarded at the end of the junior year upon recommendation of the respective departments.

Cora Whitcomb Shepardson. These scholarships are awarded, upon recommendation of the Department of Visual Arts, to students who have shown proficiency in courses in that department.

Eliza Smart Shepardson. These scholarships are awarded, upon recommendation of the Department of Music, to worthy students enrolled in that department.

Francis Wayland Shepardson. These scholarships are awarded, upon recommendation of the Department of History, to students who have shown proficiency in American history.

Stephen D. Tuttle Memorial. This scholarship is awarded to a worthy music student upon recommendation of the Department of Music.

Edward A. Wright. These scholarships are awarded, upon recommendation of the Department of Theatre Arts, to students who have made a significant contribution to that department.

GRADUATE HONOR SCHOLARSHIPS

GRADUATE SCHOLARSHIPS AND FELLOWSHIPS are handled through the Office of Graduate School Counseling, Doane 206. Students desiring information on graduate scholarships and fellowships should see the Graduate School Counselor.

DENISON GRADUATE HONOR SCHOLARSHIPS

The Denison University Research Foundation Scholarships. These scholarships of varying amounts are awarded annually to a few graduating seniors for one year of graduate school advanced study. Selection is based on intellectual ability, leadership qualities, and financial need.

The Denison University Tuition Scholarship of the Ohio State University. This is one of the Ohio College Tuition scholarships established by the trustees of The Ohio State University and is open to a graduate of Denison for one year.

The Denison University Scholarships for The University of Chicago Law School and Vanderbilt University School of Law. Each school awards a full tuition scholarship for one year, renewable upon satisfactory completion of a year's work, to a student nominated by Denison, provided he meets all the requirements for admission.

OTHER NATIONAL AND INTERNATIONAL SCHOLARSHIP PROGRAMS

Danforth Fellowships. These are awarded on the basis of intelligence, scholarship, creativity, and teaching potentialities to men and women who are planning to study for a Ph.D. and to prepare for a professional career in college teaching.

Woodrow Wilson Fellowships. These are awarded to promising students of high scholarship and personal qualifications who want to enter graduate work in order to prepare for college teaching.

The Fulbright Scholarships. These scholarships of the United States Education Exchange program are designed to promote better understanding between the people of the United States and the people of other countries. It is necessary that an applicant have high personal and intellectual qualities plus an adequate knowledge of the language of the country.

The Marshall Scholarships. These highly competitive scholarships enable Americans to study for degrees in many disciplines at British universities.

The Rhodes Scholarships. These are tenable for three years at Oxford University in England. Character, scholarship, athletics, and leadership in extracurricular activities are the basis on which scholars are named.

INFORMATION on fellowships offered by other graduate schools, as well as national and international graduate fellowship programs, is available in the Office of Graduate School Counseling.

*Dr. Schaff advises on
graduate fellowships*



ENDOWED FUNDS FOR SCHOLARSHIPS AND FINANCIAL ASSISTANCE

(Amounts shown are invested principal)

HONOR SCHOLARSHIP FUNDS

Kenneth I. Brown Fund (\$30,000)
Walter L. Flory Fund (\$2,500)
Phi Beta Kappa Fund (\$2,040)
Ebenezer Thresher Fund (\$10,000)

DEPARTMENTAL SCHOLARSHIP FUNDS

Gertrude Carhartt Brelsford Memorial Fund—Music (\$3,000)
Mary Hartwell Catherwood Fund—English (\$2,000)
Willis A. and Frances W. Chamberlin Fund—Humanities
(\$6,662)
The Hugh Galt Research Fund—Chemistry (\$5,000)
George K. Goulding Memorial Fund—Music (\$15,000)
The "Ace" Morgan Memorial Fund—Theatre Arts (\$8,000)
E. Clark and Irma H. Morrow Fund—Pre-Law (\$5,033)
The Peoples State Bank of Granville Fund—Economics (\$8,500)
Juliet Barker Sarett Fund—English and Theatre Arts (\$10,000)
Cora Whitcomb Shepardson Fund—Art (\$5,000)
Eliza Smart Shepardson Fund—Music (\$2,700)
Francis Wayland Shepardson Fund—History (\$5,150)
Stephen Davidson Tuttle Fund—Music (\$1,155)
Edward A. Wright Fund—Theatre Arts (\$24,726)

FOR MEN AND WOMEN

The American Baptist Convention Fund (\$86,203)
The Wm. T. and Maude Firth Bawden Scholarship Fund
(\$26,532)
The Blanche D. Beattie Scholarship Fund (\$18,570)
The John W. Beattie Scholarship Fund (\$440,013)

Denison University Bulletin

- The Frederick P. and Mary T. Beaver Scholarship Fund
(\$80,843)
- The Mary F. and Fred W. Benjamin Memorial Scholarship
Fund (\$1,000)
- The Ernest C. and Marie Tapper Brelsford Scholarship
Fund (\$1,000)
- The Millard Brelsford Memorial Scholarship Fund (\$1,550)
- The Samuel B. Brierly Scholarship Fund (\$277,157)
- The Lester C. and Nell S. Bush Fund (\$10,653)
- The Wells A. and Cynthia Aldrich Chamberlain Scholarship
Fund (\$5,143)
- The Class of 1913 Scholarship Fund (\$1,000)
- The Class of 1917 War Memorial Scholarship Fund (\$3,414)
- The Class of 1929 Scholarship Fund (\$6,750)
- The Edward Taylor Clissold Memorial Scholarship Fund
(\$3,349)
- The Blanche Lemert Copeland Scholarship Fund (\$21,942)
- The Denison Memorial Scholarship Fund (\$1,813)
- The John H. Doyle Scholarship Fund (\$2,500)
- The Elizabeth S. Ewart Scholarship Fund (\$2,506)
- The Frank C. Ewart Memorial Scholarship Fund (\$4,000)
- The Minnie Farner Miller Scholarship Fund (\$750)
- The Lelia Milward Firth Scholarship Fund (\$1,000)
- The Ray C. Fish Fund (\$120,750)
- The Dora A. Forsythe Scholarship Fund (\$9,738)
- The Clarence L. Fox Memorial Scholarship Fund (\$1,231)
- The Robert K. Fox Fund (\$5,373)
- The General Scholarship Fund (\$3,107)
- The David E. Green Memorial Scholarship Fund (\$3,637)
- The G. O. Griswold Scholarship Fund (\$5,000)
- The Masuo S. and Kiyo Hoshide Scholarship Fund (\$982)
- The H. Rhodes Hundley Memorial Scholarship Fund (\$6,100)
- The Emory W. Hunt Scholarship Fund (\$8,358)
- The Charles T. Lewis Scholarship Fund (\$5,000)
- The Matthews Scholarship Fund (\$4,063)
- The Blanche McCoy-Humphrey Scholarship Fund (\$2,500)
- The Leslie B. Moss Scholarship Fund (\$25,641)
- The N. W. Neptune Scholarship Fund (\$200)

Scholarships and Financial Assistance

- The LaVerne Noyes Scholarship Fund (\$45,508)
- The Frank C. Onstott Scholarship Fund (\$13,000)
- The C. E. Ronneberg Fund (\$1,331)
- The George M. and Harriette McCann Roudebush Scholarship Fund (\$30,823)
- The Edson Rupp Memorial Fund (\$400)
- The Francis W. Shepardson Memorial Fund (\$5,036)
- The George H. Shorney Scholarship Fund (\$7,500)
- The Eri J. Shumaker Memorial Scholarship Fund (\$1,414)
- The Franklin G. Smith Scholarship Fund (\$26,000)
- The Amanda Sperry Scholarship Fund (\$1,000)
- The Herbert F. Stilwell Scholarship Fund (\$35,046)
- The Chaplain Thomas B. Van Horne Memorial Scholarship Fund (\$1,720)
- The Daniel Van Voorhis Scholarship Fund (\$500)
- The Charles G. Waters Scholarship Fund (\$17,495)
- The Charles Gardner Waters and Clara Ferris Waters Scholarship Fund (\$30,036)
- The Earl F. and Irene L. Wells Fund (\$3,048)
- The Welsh Hills Prices Scholarship Fund (\$2,000)
- The Whisler Family Scholarship Fund (\$53,696)
- The Katherine Gear Wightman Scholarship Fund (\$500)
- The Russel H. Williams Memorial Scholarship Fund (\$2,230)
- The W. C. Woodyard Scholarship Fund (\$6,096)

FOR MEN

- The Maria T. Barney Scholarship Fund (\$11,000)
- The A. F. and A. A. Bostwick Scholarship Fund (\$1,000)
- The Harry Thurston Crane Scholarship Fund (\$5,000)
- The David and Jane Harpster Fund (\$5,000)
- The Hawes Key Club Scholarship Fund (\$3,021)
- The John H. Hislop Memorial Scholarship Fund (\$25,000)
- The Eugenio Kincaid Leonard Scholarship Fund (\$1,000)
- The William E. Miller and Annie Scheidler Miller Memorial Scholarship Fund (\$10,000)
- The Mary Arnold Stevens Fund (\$500)
- The Robert Vanderveer, Jr., Memorial Scholarship Fund (\$3,000)

FOR WOMEN

- The Charles T. Chapin Scholarship Fund (\$2,000)
- The Harry Thurston Crane Scholarship Fund (\$5,000)
- The Ida Saunders Fisher Scholarship Fund (\$2,000)
- The Flora Price Jones Scholarship Fund (\$1,000)
- The J. W. King Scholarship Fund (\$12,000)
- The Hannah Snow Lewis Scholarship Fund (\$16,000)
- The Lide-Shepardson-Marsh Scholarship Fund (\$1,000)
- The Martha A. Luse Scholarship Fund (\$1,000)
- The James McClurg Scholarship Fund (\$1,000)
- The Mary Miller Scholarship Fund (\$8,282)
- The Mortar Board Scholarship Fund (\$600)
- The Philomathean Scholarship Fund (\$1,000)
- The Margaret Richards Memorial Fund (\$7,577)
- The Robinson Scholarship Fund (\$4,600)
- The Agnes Wilson Weaver Scholarship Fund (\$1,000)

FOR PREMINISTERIAL STUDENTS

- The Charles Edwin Barker Scholarship Fund (\$1,000)
- The William Howard Doane Scholarship Fund (\$10,000)
- The M. E. Gray Fund (\$5,000)
- The Abigail T. Houck Fund (\$31,717)
- The Joshua and Gwennie Jones Fund (\$1,357)
- The Mary K. Monroe Fund (\$30,000)
- The David Thatcher Fund (\$1,500)

SCHOLARSHIP FUNDS INCREASED

Since the 1965-66 Catalog was published these funds have been increased by the amounts indicated:

The American Baptist Convention Fund	\$ 35
The John W. Beattie Scholarship Fund	2,502
The Gertrude Carhartt Brelsford Memorial Fund—Music	667
The Samuel B. Brierly Scholarship Fund	100



Development Office headed by Mr. Prine raises funds for Denison

The Wells A. and Cynthia Aldrich Chamberlain Scholarship Fund	143
The Willis A. and Frances W. Chamberlin Fund— Humanities	193
The General Scholarship Fund	575
The Masuo S. and Kiyo Hoshide Scholarship Fund	10
The Phi Beta Kappa Fund	10
The Margaret Richards Memorial Fund	65
The Robinson Scholarship Fund	300
The C. E. Ronneberg Fund	100
The Francis Wayland Shepardson Fund—History	30
The Francis W. Shepardson Memorial Fund	2,025
The Eri J. Shumaker Memorial Scholarship Fund	350
The Stephen Davidson Tuttle Fund—Music	117
The Earl F. and Irene L. Wells Fund	260
The Whisler Family Scholarship Fund	23,696
The Russel H. Williams Memorial Scholarship Fund	222
The W. C. Woodyard Scholarship Fund	845
The Edward A. Wright Fund—Theatre Arts	1,914
Total Increases	\$34,159
	51



*Treasurer Carl R. Adams
and his assistant,
Mrs. Dodsworth*

NEW SCHOLARSHIP FUNDS ESTABLISHED

The Frank C. Onstott Scholarship Fund. This fund of \$13,000 was established by a bequest from Frank C. Onstott, Denver, Colorado. The income from this fund will be used for scholarships.

The Reader's Digest Foundation Scholarship Fund. This fund of \$5,000 was established in 1965-66 for unrestricted scholarships. The income from this fund will be awarded to recipients selected by the Denison Committee on Scholarships.

LOAN FUNDS AVAILABLE

LOANS are available to needy and worthy students. A loan may be used only to defray expenses specifically pertaining to a college education. The applicant is required to furnish information regarding the purpose of the loan, any outstanding obligations to the college or to other sources, the amount of financial aid received from his parents or guardian, the total sum earned annually toward his college expenses, and the amount of life insurance carried. The promissory note must be made and co-signed by a parent or guardian, *not* by a fellow student or a faculty member. The application blank should be obtained from the chairman of the Scholarship and Financial Aid Committee.

Approximately \$20,000 for student loans is available from the following established funds:

Scholarships and Financial Assistance

The Fletcher O. Marsh Fund
The Edward LeGrand Husted Fund
The Ida S. Fisher Loan Fund
The C. L. Williams Alumni Loan Fund
The Class of 1927 Loan Fund
The Asher King Mather Loan Fund
The Edward Gear Ewart Loan Fund
The Charles F. Burke Memorial Loan Fund
The Avery A. Shaw Memorial Loan Fund
The Burton Memorial Loan Fund
The Joseph M. and Amy W. Collins Loan Fund
The Miller-Exman Loan Fund
The Millard Brelsford Memorial Loan Fund
The Barrett Loan Fund
The Hugh Glynn Price Memorial Fund

Denison University participates in the National Defense Student Loan Program under Title II of the National Defense Education Act of 1958 (Public Law 85-86.4).

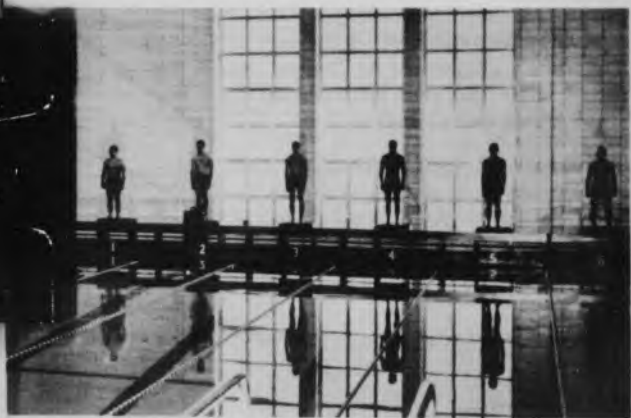
Additional Sources. Foundations, fraternities, and sororities make scholarship and loan funds available to Denison students. Information may be obtained by addressing the Cashier of the University or the Secretary of the Denison Board of Trustees.

Proposed classroom building to replace Talbot Hall is pictured on the right.





Physical Education Center — Gregory Pool (at left)



*Varsity swimming
at practice*

Air view of Middleton House and environs





Dean Lichtenstein counseling on directed study

Academic Honors and Prizes

GRADUATION WITH HONORS

Graduation with Highest Honors. This highest distinction is accorded any student who earns a cumulative grade-point average of 3.7 for the last six semesters and receives an A grade on both his Honors Project and the Comprehensive Examination.

Graduation with High Honors. This second highest distinction is accorded any student whose cumulative grade-point average is 3.5 for the last six semesters and who earns an A grade on either his Honors Project or the Comprehensive Examination and at least a B grade on the other.

Graduation with Honors. This is the third distinction accorded any student whose cumulative grade-point average is 3.5 for the last six semesters and receives an A grade on the Comprehensive Examination, or who earns a cumulative grade-point average of 3.0 for the six semesters and at least a B grade on both the Comprehensive Examination and his Honors Project.

DEAN'S LIST OF ANNUAL HONORS

A STUDENT EARNING A CUMULATIVE grade-point average of 3.0, provided no grade in his year's record is below C, is placed on the Dean's List. Those attaining this honor are given public recognition at the Annual Honors Convocation.

HONORARY SOCIETIES

The Phi Beta Kappa Society. This group, founded in 1776 to recognize and encourage scholarly pursuits, installed the Theta of Ohio chapter at Denison in 1911. Annually new members are elected from students in the senior or junior classes ranking highest in scholarship.

The Phi Society. This body originated at Denison University in 1926 when the Theta of Ohio chapter of Phi Beta Kappa formed the society as a means of giving recognition to high scholastic attainment by freshmen. To be considered for this honor early in his sophomore year a student must have earned at least 112 grade-points during the freshman year.

National Honorary Societies. Organizations with chapters of national honorary societies at Denison include Alpha Epsilon Delta, premedical; Alpha Kappa Delta, sociology; Arnold Air Society, military; Crossed Keys, junior women's service; Delta Phi Alpha, German language; Delta Sigma Rho-Tau Kappa Alpha, forensics; Eta Sigma Phi, classical language; Kappa Delta Pi, educational; Mortar Board, senior women's leadership; Omicron Delta Kappa, senior men's leadership; Pi Delta Epsilon, publications; Pi Delta Phi, French language; Pi Mu Epsilon, mathematics; Pi Sigma Alpha, political science; Psi Chi, psychology; and Sigma Delta Pi, Spanish language.

Local Honorary Organizations. Other groups represented at Denison, all local in nature, include Alpha Rho Tau, art; Chemical Society; D Association, athletic; Dance Club, modern dance; History Honorary Society; Lambda Mu, women's music; Mu Sigma, men's music; Franco-Calliopean Society, creative writing; Rho Beta Chi, radio broadcasting; and Masquers and University Players, theatre honoraries.

National Service Fraternity. Denison's chapter of Alpha Phi Omega was installed in 1965.

ENDOWED PRIZES AND AWARDS

RECOGNIZING that true culture is largely the result of individual effort, Denison University offers a number of prizes to reward students for special excellence. Students are eligible to compete for the following prizes: (See also HONOR SCHOLARSHIPS.)

The Crocker Public Speaking Awards. The income from this fund established by a gift of \$3,000 from Dr. Lionel G. Crocker is to be used for prizes in public speaking contests.

The Thomas Hamilton Crocker Award. The income from this fund provides an annual award to the student or students excelling in the oral interpretation of literature as a function of the Department of Speech. This award was established by a gift of \$1,000 as a memorial to their son by Lionel G. Crocker, professor of speech at Denison University, and Mrs. Geraldine Hamilton Crocker, M.D.

The Ebaugh Award. The income from this fund of \$807 provides for membership in the American Chemical Society and for a subscription to a chemical journal to be awarded to the outstanding senior majoring in Chemistry. It was established in memory of William Clarence Ebaugh, professor of chemistry (1917-44).

The Fannie Judson Farrar Memorial Music Award. Gifts from an anonymous donor have provided this fund of \$1,378. The income is to be awarded annually by the music faculty to the most promising and worthy student in piano. Miss Farrar taught music (1924-37).

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The Sam Gelfer Memorial Music Award. The income from this fund of \$2,678 is awarded annually to one or more students, irrespective of race, creed, or color, preferably to players of stringed instruments, providing they have demonstrated excellence in music and have contributed through their music to the University and the community. Selection is made by the music faculty of the University. The award was established by Licking County,

Ohio, friends of Sam Gelfer (on the Denison faculty 1925-60) and by gifts from former students.

The John L. Gilpatrick Mathematics Award. The income from this fund \$1,117 in memory of the professor of mathematics (1874-1912) provides an annual award to a member of the senior class recommended by the faculty of the department for excellence in that subject.

The Leland J. Gordon Alumni Prize in Economics. A prize of \$100 is awarded annually to the student enrolled in Economics 414 who prepares the best original thesis dealing with a significant problem in economics. The papers are judged by persons outside of the department. Former students and friends of Professor Gordon, professor of economics (1931-63), have contributed \$3,725 to endow this prize.

The Chosaburo Kato Mathematics Award. This fund of \$1,000 was established in 1965 by Dr. and Mrs. Kato. The income is to be awarded to a junior for excellence in Mathematics.

The Louis Kussmaul Friendship Award. This annual award of \$100 is made to the student who has done the most to foster friendly relations between the town and the college. Selection is made by the President of the Granville Retail Merchants Association and the President of Denison University. This award was established by Harry W. Amos, Class of 1899, and is maintained by his bequest of \$1,800.

The John P. Levis, Jr., Award. The income from this fund is awarded to the highest-ranking senior graduating as a Speech major on the basis of his cumulative grade-point average for the three semesters immediately preceding his final semester.



Senior receives Kussmaul Award from president of Granville Businessmen's Ass'n

Academic Honors and Prizes

The Annie Mary MacNeill Poetry Prizes. Prizes are awarded to the student or students with high standing in English judged by the Department of English the most proficient in the writing of poetry, and to the junior or senior who ranks highest in the course devoted to the study of Victorian poets. An endowed fund of \$2,000 provides these prizes. Miss MacNeill taught English (1921-45).

The James B. Sayers, Jr., Memorial Award. This fund of \$3,120 was established in memory of a member of the Class of 1965. The income is to be awarded to the senior letterman attaining the highest academic standing based on the seven semesters preceding his final semester at Denison.

The Judge Clyde S. Shumaker Trophy. This trophy for excellence in public speaking was established by Judge Clyde S. Shumaker of the Class of 1930 in 1957 and endowed by a \$1,000 gift from an anonymous donor. Selection of the recipient is made by the Department of Speech.

The Daniel Shepardson Memorial Award. The income from this fund of \$2,500 is awarded to the junior woman showing promise of outstanding leadership in the field of religious activity. Selection is made by the alumnae group administering the fund.

The Sperry and Hutchinson Economics Award. This award was established by gifts of \$3,750 from the Sperry and Hutchinson Company. The income from the fund is used to provide an annual award for scholastic achievement by majors in the Department of Economics and is to be administered by the chairman of the department in consultation with his colleagues.

The Samson Talbot Bible Reading Contest. This endowed fund of \$1,000 yields prizes for the best reading of the Scriptures. The annual contest is open to seniors and juniors.

The Visual Arts Fund. The income from this fund donated by friends of the department is to be used for grants to students or for special items needed by the Department of Visual Arts.

The Forbes B. Wiley Memorial Mathematics Awards. Annual awards provided by the income from this fund are given to members of the freshman and sophomore classes recommended by the Department of Mathematics for excellence in that subject. This

fund has been established by friends and members of the family as a memorial to the chairman of the department (1913-50).

The C. L. Williams Memorial Award. This fund of \$1,300 was established by Burt T. Hodges of the Class of 1920 in memory of Charles Luther Williams, professor of English (1894-1921). The income from the fund is used to aid students contributing, through active participation, to some phase of the religious program of the University or the community.

The Woodland Chemistry Prizes. A first and a second prize, amounting to \$150 and \$50, are awarded annually to two junior students in regular standing who prepare, under the direction of the chairman of the Department of Chemistry, the best theses on some phase of chemistry in its relationship to industrial or everyday life. These prizes were established as a memorial to William Henry Woodland in a bequest of \$5,000 by his son, J. Ernest Woodland of the Class of 1891.

NON-ENDOWED PRIZES AND AWARDS

The American Chemical Society Award. This cash award and journal subscription is given by the Columbus section of the ACS to the outstanding student in Chemistry chosen by the department. It was first awarded in 1966.

The American Institute of Chemists Medal. A bronze medal is given by the Ohio Chapter of the American Institute of Chemists to be awarded to an outstanding Chemistry major who has signified his intention of entering the field of chemistry professionally. The winner is selected by the Department of Chemistry.

The David A. Chambers Biology Prize. This annual award of \$200 goes to a member of the junior class on the basis of superior interest and excellence in the field of Biology. This prize was established by a Cleveland physician, Charles E. Kinney, M.D., in honor of a Cleveland surgeon, David A. Chambers, M.D., Class of 1923. Selection of the recipient is made by the chairman of the department and two other members of the faculty named by the President of the University.

The Tileston F. Chambers English Prize. A book prize is awarded annually to the senior major in the Department of English

Academic Honors and Prizes

whose comprehensive examination on American and English writers is judged the most interestingly written. This prize, originally offered by T. F. Chambers, member of the Board of Trustees (1916-47), is now maintained by his son, David A. Chambers, M.D., Class of 1923.

The Manetta Chao Prize in Chinese Philosophy. This book award is given to the student judged by the course instructor as having done the best work in Chinese Philosophy. It was established in memory of a staff member of the first Institute in Chinese Civilization held at Tunghai University, Taiwan, in 1962.

Chi Omega Social Studies Prize. A prize of \$25 is awarded to the senior woman with the highest scholastic standing concentrating in a designated field of social studies, including a major in Economics, Government, History, Sociology, or a transdepartmental major. The prize is offered annually by the Delta Gamma chapter of Chi Omega at Denison University.

The Delta Phi Alpha Book Prize. A book prize is awarded to the student in the Department of Modern Languages whose work in the German language has been outstanding. The book is the gift of the local chapter of the German language honorary fraternity, Delta Phi Alpha.

The Freshman Chemistry Prize. A book prize is awarded annually by the Denison Chemical Society to the highest ranking freshman in Chemistry 116.

The Hamilton Watch Award. The gift of an engraved electric watch is made to the graduating senior candidate for the Bachelor of Science degree who has made the most successfully combined proficiency in his major field of study with achievements—either academic or extracurricular or both—in the social sciences and humanities. Selection is made by the Dean of the College.

The Robert W. Levering Award. This annual award of \$50 is made to the debater judged the best by the faculty of the Department of Speech. The award was established in 1959 by Robert W. Levering, Class of 1938, then a member of the Congress of the U.S.A.

The Lewis Literary Prize Contest. Four prizes, totaling \$100, are awarded to the four men ranking the highest in the annual contest for excellence in public speaking. The prizes were originally presented to the Franklin and Calliopean Literary Societies by Charles T. Lewis, former president of the Board of Trustees. They were continued by his son, Howard Lewis of the Class of 1900, and now by the grandson, Melvin P. Lewis.

The Merck and Company Award in Chemistry. A copy of the *Merck Index*, a reference work covering biological and medicinal chemistry, is presented to the Department of Chemistry to be awarded to a student majoring in Chemistry in recognition of excellent work and to encourage an interest in chemistry.

Distinguished Air Force ROTC Graduates. Cadets who, during Air Force ROTC training, have distinguished themselves academically, and have demonstrated outstanding qualities of leadership, will be designated Distinguished Graduates and will, upon application and selection, be offered Regular Air Force Commissions.

The Class of 1954 Scholastic Trophy (Military). The graduating AFROTC cadet with the highest over-all cumulative four-year grade-point average will have his name inscribed on this trophy which is maintained on permanent display at the Department of Aerospace Studies.

Other AFROTC Awards. AFROTC cadets who are outstanding in the basic and advanced courses will receive various military awards of merit and medals by the Air Force Association, *Air Force Times*, *Chicago Tribune*, General Dynamics Corporation, Reserve Officers' Association, and Sons of the American Revolution.

Mortar Board Prize. This cash award of \$25 is given annually to the outstanding freshman woman, selected by Mortar Board on the basis of service, leadership, and scholarship. It was first awarded in 1964.

The Phi Beta Kappa Scholarship Awards. In 1954 the Theta of Ohio chapter of Phi Beta Kappa at Denison University established three special scholarship awards. Two rotating scholarship

*AFROTC Color Guard is
part of prize-winning unit*



cups are awarded each semester to the fraternity and to the sorority having the highest academic standing in all subjects. An annual award of books valued at \$15 is made to the highest ranking student at the end of his sophomore year.

The Pi Delta Epsilon Book Award. This book award is given to the student annually chosen by the members of Pi Delta Epsilon for excellence in journalism and observance of the canons of good taste.

The Pi Delta Phi Book Prizes. Annually books are awarded to the two students ranking highest in Beginning French and to the four ranking highest in Intermediate French by the local chapter of the French language honorary fraternity, Pi Delta Phi.

The Pi Sigma Alpha Book Award. This prize is awarded to the major student who has contributed most to the field of political science, either by his scholarly work or by promoting interest in government. Selection is by the departmental staff.

The Laura F. Platts Scholarship Award. This annual award of \$60 is made to a senior woman who gives unusual promise of service to mankind. Selection is based on her college record.

The Psi Chi Book Prize. A book prize is awarded to the senior in the Department of Psychology whose term paper is selected as outstanding by the faculty of the department. The award is made by the local chapter of the national honorary fraternity, Psi Chi.

The Ray Sanford Stout English Prizes. Two prizes, \$20 and \$10, are awarded annually for excellence in short story writing. Manuscripts should be submitted to the chairman of the Department of English. These awards were established by Henry S. Stout of the Class of 1915 in memory of his mother.

The Sigma Delta Pi Medals. Four official awards of the American Association of Teachers of Spanish and Portuguese are offered by the Denison chapter of Sigma Delta Pi. They are awarded to the two students making the best record in Beginning Spanish and in Intermediate Spanish.

The Charles Edward Silbernagel Memorial Prize. This annual prize of \$125 is awarded to the senior premedical student who, in the judgment of the adviser to premedical students, has shown the greatest aptitude in premedical subjects. In order to be eligible for this award the student must complete his senior year at Denison. The recipient must have been admitted to the first year of a Class A Medical School. The prize was established by Wynne Silbernagel, M.D., Class of 1926, and his mother, Mrs. O. C. Weist, in memory of Dr. Silbernagel's father.

The Harold Hopper Titus Prize in Social Philosophy. A book prize is awarded annually to the student judged by the course instructor as having done the best work in Social Philosophy. This award honors Harold Hopper Titus, professor of philosophy (1928-64).

The William T. Utter Memorial Book Prize. A book is awarded to the student whose research paper in the Department of History is deemed the most worthy by the departmental faculty, who have contributed the prize in memory of William Thomas Utter, professor of history (1929-61).

The Wall Street Journal Achievement Award. This award is made to the senior Economics major chosen by the faculty on the basis of scholastic achievement and/or vocational interest in the field of corporate finance and investments. The medal and one year's subscription to the *Wall Street Journal* are furnished by Dow Jones and Company, Inc.



At counter — Mrs. Kuhn and Miss Loughridge

College Costs

COST EACH SEMESTER

	1966-67	1967-68
Tuition	\$725.	\$825.
Activity Fee	\$ 75.	\$ 75.
Board	\$260.	\$270.
Room	\$190-205.	\$210-225.

EACH STUDENT ON FULL TUITION normally pays about 70 per cent of his actual educational expenses. Gifts from alumni, parents, and friends supplement endowment and other income to enable the University to meet this difference. How long Denison and similar colleges and universities seeking to provide an education of high quality can postpone additional charges for tuition is clearly dependent upon the increasingly generous support of alumni, parents of present students and other friends.

In view of the economic uncertainty of the times, the University reserves the right to make changes in costs at the beginning of any semester by publication of the new rates *for tuition and activity fee three months in advance, for board and room one month in advance of their effective date.*

Tuition. The \$725 tuition permits a student to take from 9 to 17 semester-hours of credit. An additional charge of \$45.00* is

*\$51 in 1967-68.

made for each registered hour in excess of 17 hours. Any student desiring to take in excess of 17 semester-hours may petition the Committee on Academic Status for permission. A part-time student pays tuition at the rate of \$45.00* for each semester-hour of credit.

Activity Fee. The \$75 activity fee paid by degree candidates and certain special students includes various academic services such as library and laboratory facilities (except deposit for breakage). It also subsidizes the Student Health Service, College Union, and intercollegiate athletics.

Health Service. This service includes hospitalization up to three days a semester (exclusive of medical and surgical costs such as X-ray, services of special nurses and consultants, doctor's or nurse's calls to a student's room, supply of special medicines, or the use of special appliances). *For hospitalization in excess of three days a charge of \$10 a day is made.* A group accident and sickness plan is also available to students. Details of this plan are mailed to the student with the first semester billing.

Other Services Covered by the Activity Fee. The activity fee also supports the Denison Campus Government Association and certain other student organizations. Its payment admits the student to plays, concerts, and lectures, and entitles the student to receive the campus weekly newspaper, the literary magazine, and the yearbook.

Auditing Classes. The privilege may be granted to any student. A regularly-enrolled, full-time student may be permitted to audit one course each semester without additional fee and without academic credit. In all other cases, an auditor shall pay a sum equal to one-half the tuition paid by a part-time student.

Room Rent. If two or more students room together, the rent for each student is \$190** a semester. The price of a single room is \$205*** a semester. *No room is rented for a shorter period than one semester.* The cost of any damage to the furniture or the room beyond ordinary wear will be assessed to the occupant.

*\$51 in 1967-68.

**\$210 in 1967-68.

***\$225 in 1967-68.

College Costs

Board. Meals are served in the college dining halls throughout the academic year except during vacations. The charge for board is \$260* a semester.

Books and Supplies. The cost of books and supplies is estimated at \$50 a semester.

DEPARTMENT OF MUSIC FEES

MUSIC FEES are required of a student taking private lessons in Voice, Organ, Piano, Violin, Viola, Violoncello, Harp, Brass, and Wind Instruments, unless the student is majoring in music. On the basis of one private lesson a week including the necessary practice-time, the charge is \$45** a semester.

Any student paying regular tuition may attend *classes* (not private lessons) in *voice or instrumental music* without extra charge.

A noncollegiate student pays \$60 a semester for one lesson a week and \$110 for two lessons. If he takes courses other than private lessons, the student pays the part-time tuition fee of \$45** a semester-hour of credit.

PAYMENT OF BILLS

ALL BILLS ARE PAYABLE in the Cashier's office. To help develop in the student a sense of responsibility and a greater appreciation of the educational opportunity, the University has a policy of collecting semester bills from the student rather than from his parents. Semester bills are due August 20 for the first semester and January 10 for the second semester but may be paid in advance. All other bills are due within 10 days from the date presented. Bills past due are subject to a service charge of \$2. On request, a receipted bill is issued when the statement is returned.

A student is ineligible to attend classes unless his bills are paid when due. *A student will be denied an honorable separation, an official record of credits, or a diploma until all college bills are paid in full.*

*\$270 in 1967-68.

**\$51 in 1967-68.

Deferment. Deferred payment of one-half of the net bill for the first semester is permitted until November 1, and for the second semester until April 1, provided the request is made to the Cashier on or before the due date.

As a convenience to parents of students, Denison makes available a monthly pre-payment plan which also provides insurance for continued payment of educational expenses in case of death or disability of the parent. Details of this plan are sent to the student as soon as he has been accepted for admission. Anyone wishing information in advance of this time should write to Insured Tuition Payment Plan, 6 St. James Avenue, Boston, Massachusetts 02116.

REFUND OF DEPOSITS

WITHDRAWAL from the University at any time is official only upon written notice to the appropriate Dean of Students. A request to the Registrar for a transcript of credits shall neither be considered a notice of withdrawal from the college nor a cancellation of a Room and/or Board reservation.

Cancellation of reservations or registration for the fall semester by a student enrolled at Denison during the previous spring semester must be made by women prior to May 1 and by men prior to May 15. Both the Registration Deposit of \$25 and the Room Deposit of \$25 are forfeited if the time limit is not observed. If a student does not preregister or indicate withdrawal by the cancellation date, both deposits shall be forfeited.

An entering student should see *Fees and Deposits* under **ADMISSION** for regulations pertaining to Deposits.

Except in the case of withdrawal during the second semester which results in no refund of semester charges and in case of illness, a student withdrawing for any reason or dismissed from the University during the academic year shall forfeit his Registration Deposit, and a student moving out of a college residence hall during the academic year for any reason shall forfeit his Room Deposit.

If a student withdraws because of illness, does not attend another college, and plans to register for a subsequent semester, the deposits are to be held. If the student does not register during the following two semesters, the deposits will be forfeited.

The room deposit of a student who cancels his room reserva-

tion within the time limit indicated above will be credited to his bill for the fall semester. In the case of a senior, or a withdrawing student entitled to a refund, room and/or registration deposits will normally be refunded in June.

REFUND OF TUITION, ACTIVITY FEE, ROOM AND BOARD

WITHDRAWAL after the due date of semester bills but before Registration (or for the entering student before the first day of Orientation Week): Except in cases of illness confirmed by a physician, the charges for withdrawal from the University or cancellation of a dining hall or residence hall reservation after August 20 for the fall semester or January 10 for the spring semester shall be 25 per cent of the semester tuition, 25 per cent of the semester board charge, and full semester rent for the residence hall room. (In case of illness there shall be no refund of deposits.) *In no case shall the activity fee be refundable. These policies apply to both the returning and the entering student.*

Withdrawal during a semester: After Registration (or for the entering student after the first day of Orientation Week): There shall be no refund of room rent or board charge, except in the case of a student withdrawing from the University because of illness. Such a student shall be charged 10 per cent of the semester room rent and board charge for each week or part thereof.

A student voluntarily withdrawing or dismissed for disciplinary reasons from the University during a semester will be charged 25 per cent of tuition (not to exceed the semester charge) for each week or part thereof enrolled (enrollment begins the first day of classes).

A student withdrawing from the University during a semester because of illness shall be charged 10 per cent of tuition (not to exceed the semester charge) for each week or part thereof enrolled. *In no case shall there be a refund of the activity fee.*

The excess hours fee, fees for applied music lessons, or other course fees shall not be refunded in the case of a student withdrawing for any reason from the University or from a course.



Mr. Dunfield, Mr.
Condit, Miss Weeks

Admission

FACTORS which bear upon the applicant's likelihood of success at Denison are carefully weighed by the Admissions Committee. It then makes its selections accordingly. An applicant may be admitted as either a freshman or a student with advanced standing.

In evaluating an applicant, the Admissions Committee takes into consideration the quality of his academic record, aptitude test scores, recommendations, school and community activities, his possible academic and personal contributions to the University, and his personal statement of his reason for attending college. Although not compulsory, a personal interview is highly desirable.

AN APPLICANT desiring consideration at Denison should submit a preliminary application, which will be sent in response to his initial request for the *Catalog* or other information.

Upon receipt of the preliminary application, the Admissions Committee places the applicant on the mailing list, and sends him a *Formal Application* by October of the year prior to entrance. If a prospective student submits his preliminary application after October and before February 15, he is sent a formal application immediately.

REQUIREMENTS FOR ADMISSION

EVERY APPLICANT—freshman or transfer—is expected to meet the following minimum requirements:

Graduation and College Certification. These must be furnished by an accredited high school or preparatory school showing at least 15 acceptable units of credit as follows:

- 4 units of college preparatory English
- 2 units of college preparatory Mathematics (3 units are highly recommended, especially for the applicant planning to

- major in Science)
- 2 units in one Foreign Language
- 1 unit of History
- 2 units of Science
- 4 remaining units (at least 2 units should be in the areas named above or in related subjects)

Exceptions. Exceptions to these requirements may be made by the Admissions Committee. Special consideration will be given to applicants planning to earn either the degree of Bachelor of Fine Arts or the degree of Bachelor of Music.

Entrance Examinations. The Scholastic Aptitude Test and three Achievement Tests (including the English Achievement Test) of the College Entrance Examination Board are required of all applicants. The SAT may be taken in the junior year, in July between the junior and senior years, or in December or January of the senior year. The Achievement Tests may also be taken on any of these dates. The Writing Sample is neither required nor recommended, but may be substituted for an Achievement Test (other than the English), if the applicant would otherwise be required to take the tests on two different dates. It is recommended that Achievement Tests be taken in the junior year in those courses not being continued in the senior year. If extenuating circumstances prevent the applicant from taking these tests, he must make other arrangements with the Director of Admissions.

Recommendations by the secondary school principal, headmaster, or guidance officer (as prescribed in the formal application).

Recommendation by the clergyman or other religious leader (as prescribed in the formal application).

Personal Information including a listing of school, church, and community activities (as prescribed in the formal application).

Statement of Purpose in attending college (as prescribed in the formal application).

Health Report from applicant's physician (to be filed on the form furnished by Denison after the applicant has been accepted).

FEES AND DEPOSITS

AN APPLICANT must pay fees and deposits as follows:

1. A *nonrefundable fee* of \$15 to accompany the formal application.
2. A *registration deposit* of \$25.
3. A *room reservation deposit* of \$25 unless a local commuting student who does not desire residence hall accommodations.
4. An *advance payment* of \$50 toward tuition for the first semester.

These deposits, totaling \$100, except for *Early Consideration Candidates* described below, are to be paid by the applicant accepted for admission to Denison on or before May 1 and are *non-refundable* after that date. Early acceptees must make deposits by March 1, *nonrefundable* after that date.

An applicant from the waiting list, or a transfer student accepted after May 1, is allowed two weeks to make the payment of deposits.

EARLY CONSIDERATION OF FRESHMEN

A FRESHMAN APPLICANT is generally admitted on the basis of grades for seven semesters of secondary school work, and the completion of the requirements listed above. *Special consideration* for acceptance on the basis of six semesters is given top-ranking applicants who take the Scholastic Aptitude Test of the College Entrance Examination Board in the junior year, in July, or in December of the senior year. Denison does not restrict the early applicant to a single application. Achievement Test scores are not required for early consideration but are to be submitted not later than March of the senior year.

DATES OF ACCEPTANCE

CANDIDATES GRANTED early acceptance will be notified on or about January 15 (and *must* reply by March 1). Otherwise the Admission Committee completes its selections by April 15 and establishes a waiting list from those applications which are then complete. Any openings occurring after that date are filled from the waiting list.

ADVANCED PLACEMENT

THIS PROGRAM of the College Entrance Examination Board was developed to give recognition to the applicant who takes college-level courses in his secondary school. Thus he may be excused from certain college requirements by satisfactorily passing the Advanced Placement examinations in English Composition, Literature, Foreign Languages, American History, European History, Biology, Chemistry, Physics, and Mathematics.

Credit and Waiver will be issued to successful applicants earning a score of 4 or 5 on any of these examinations. Credit and/or waiver may be issued for a score of 3 upon recommendation of the Director of the Testing Service.

For information on Proficiency Examinations see under PLAN OF STUDY.

SPECIAL REQUIREMENTS FOR TRANSFERS

A TRANSFER STUDENT eligible for advanced standing must meet the requirements for a freshman and is expected to submit the following:

1. *Official Transcript* of his complete college record to date, showing honorable dismissal from the college previously attended.
2. *Recommendation* from a dean of the college last attended.

ACCEPTANCE OF TRANSFERS

A TRANSFER STUDENT who wishes to enter Denison as a sophomore will be considered for acceptance only after his complete first-year record is available except in those cases of outstanding performance in the first semester. One who wishes to enter as a junior may be accepted provisionally during his sophomore year when his record of three semesters of college work is available. A student accepted for admission with *Advanced Standing* must complete at least four semesters in residence at Denison as a full-time student to be eligible for a Denison degree.

Advanced Standing. A student accepted for admission with advanced standing will be allowed credit without examination for



A. W. Davison, Jr., and Bruce E. Carlson

liberal arts subjects taken at a college accredited by the North Central Association of Colleges and Secondary Schools or an accrediting body of similar rank. Class standing at Denison is based on the number and quality of credits accepted for transfer. A graduate of an accredited junior college will be classified as a junior on admission, and will be required to earn at least 66 semester-hours of credit (a normal program for two years) at Denison in fulfilling graduation requirements. A transfer student is required to earn at least a C average at Denison to qualify for a degree. Any requirements for graduation at Denison not satisfactorily completed at the college previously attended must be taken in normal sequence.

Good Standing. The Admissions Committee expects transfer students to be in good academic and disciplinary standing at the college previously attended. Semester-hours of credit—but not actual grades—are transferable for all liberal arts and science courses similar to those offered at Denison. Courses bearing below C grades are not accepted for transfer.

Registration

REGISTRATION is the formal enrollment in the college, and in registering, the student subscribes to *all* the regulations, terms, and conditions—academic and financial—set forth in this *Bulletin*. A student must, therefore, register *in person* during the scheduled registration period each semester.

Normal Registration. A normal load is set at 16 semester-hours of credit and a maximum of five courses. To register for 17 semester-hours a student should be in good scholastic standing. This total should include the appropriate requirements in Physical Education. (See PLAN OF STUDY.) The normal academic load enables a student to meet the graduation requirements within eight semesters. A student who pays regular tuition charges is permitted to audit, without additional cost, one course a semester for which no credit may be claimed.

Reduced Registration. This classification is recommended for a student who for any reason cannot carry a normal schedule satisfactorily. If reduced registration is advisable, a student may be required to carry a schedule of 12 to 14 credit-hours and be asked to devote an extra semester to fulfill the graduation requirements. Without special permission from the appropriate Dean of Students, 12 hours shall be minimum registration for any regular student. With special permission a regular student may register for 9 to 11 credit-hours.

Excess Registration. Upon petition to and approval by the Committee on Academic Status a student may take in excess of 17 credit-hours per semester. The fee is \$45 per credit hour in excess of 17 hours.

Partial Registration. A regular student, with the permission of the appropriate Dean of Students, may take a part-time schedule of eight or fewer academic semester-hours of credit.

Special Registration. Persons living within commuting distance of the campus, certain foreign students who wish to take for credit or to audit certain courses of special interest but who are not degree candidates, and to certain graduates wishing to take post-



Mrs. Dew, Mrs. Doob, Mrs. Poulton, Mrs. Seils, Mrs. Krause

graduate work special registration is open. A *special student* may not register for more than 6 credit-hours of academic work except by permission from the Committee on Academic Status. A special student desiring credit must submit appropriate credentials to the Office of Admissions. If after two semesters a special student has failed to maintain a 2.0 average, his special standing shall be terminated.

Changes in Registration. A change is not ordinarily permitted. If made after Registration Day, a fee of \$5 will be charged, unless waived by the Registrar for sufficient cause.

Withdrawal from Courses. To withdraw from a course a formal report must be signed by the student's adviser and presented to the Registrar. A student who withdraws from a course without official permission will receive a grade of F (failure) on his permanent record. (See *Scholastic Requirements* under PLAN OF STUDY for grades recorded upon withdrawal from courses.)

Withdrawal from the University. A student who finds it necessary to leave Denison before the close of the semester must, in order to receive an honorable dismissal, report to the appropriate Dean of Students and arrange for an official withdrawal. Except in cases of illness and/or by permission of the Committee on Academic Status, grades of WP with Fail penalty or WF with Fail penalty will be entered on the permanent record of the student who withdraws from Denison after the date when midsemester grades are due.

The college may, whenever in its judgment such action is for the best interest either of the student or of the student body, dismiss or refuse to enroll any student.

REGISTRATION PROCEDURE

A STUDENT must complete his advance registration and also final registration at the times scheduled to avoid payment of a fee for late compliance.

No student will be admitted to any class later than the second week of the semester.

Advance Registration. All enrolled students prepare a detailed schedule of courses with the assistance of a departmental chairman or faculty counselor during a designated week in the preceding semester. Freshmen register early by mail in the summer preceding entrance to Denison.

Registration. On Registration Day a copy of the final detailed schedule of classes as described above is deposited with the Registrar's Office providing payment of the prescribed fees has been made that day or earlier at the Cashier's Office.

Late Registration. Failure to complete registration at the time scheduled entails payment of a special fee of \$10. Advance registration not completed at time scheduled is subject to late fee of \$10. The student who has not completed his advance registration by January 10 in the first semester or by the deposit refund deadline in the second semester shall forfeit his deposit(s). (See COLLEGE COSTS.)

Transcript of Record. The charge for students in residence is \$1 per transcript. For students not in residence the charge is \$2 each. Apply to Registrar's Office for copies of records.

CLASS RANK

CLASSIFICATION of students is determined by the amount of academic credit earned.

Freshman Standing. A student is classed as a freshman unless he is deficient in more than one unit of preparatory work.

Sophomore Standing. A student must have 27 semester-hours of credit including required courses in English and in Physical Education.

Junior Standing. A student must have 62 semester-hours of credit.

Senior Standing. A student must have 97 semester-hours of credit.

Eligibility Rule. A regularly enrolled student registered on a full-time basis (normally 12 semester-hours or more) shall be eligible to participate in all college and intercollegiate activities. The student whose scholastic record falls below a 2.0 average shall participate only after consultation with his counselor, the director of the activity, and the appropriate Dean of Students, regarding the extent of his participation in extracurricular activities.

By rule of the Ohio Conference freshmen are eligible to participate in intercollegiate athletics.

RECOGNITION OF CREDIT EARNED ELSEWHERE

RESIDENT TRANSFER CREDIT will be honored only if taken at an accredited college or university and only if the student submits an official transcript of credit prior to or at the time of the next succeeding registration at Denison. (This applies also to summer school credits earned elsewhere.) If a student achieves an overall average of less than 2.0 for courses taken in summer school, credit for courses passed with a grade of C or better shall be given only at the discretion of the Committee on Academic Status.

Grades Earned Elsewhere. Grades received at another institution shall not be computed into the Denison quality-point average, or be used to remove Denison quality-point deficiencies except by petition to and favorable action by the Committee on Academic Status. Denison will not accept below C grade work on transfer from another institution.

Extension or Correspondence Study. Courses taken by extension (in an officially designated extension center of an accredited college or university) are credited on the same basis as resident transfer credit (see above). Courses taken by correspondence are not accepted for credit at Denison. In exceptional cases a student may petition the Committee on Academic Status for consideration of credit for correspondence study.



Periodical room, William Howard Doane Library

Plan Of Study

DENISON OFFERS A PLAN OF STUDY which insures that all students earning a degree shall have an opportunity to obtain a minimum level of acquaintance with the chief areas of human knowledge, the separate disciplines of the areas, and their unique or complementary methods of discovery. In addition, the program provides for adequate concentration in a major field and for a reasonable choice of elective courses.

The degree earned may be Bachelor of Arts, Bachelor of Science, Bachelor of Science in Education, Bachelor of Music, or Bachelor of Fine Arts.

DEGREES IN ARTS OR SCIENCE

A STUDENT who satisfies the following requirements will receive the degree of *Bachelor of Arts*, except that a student who majors in one of the natural sciences (Astronomy, Biology, Chemistry, Geology, Mathematics, Physics, or Psychology) may elect to receive the degree of *Bachelor of Science*. (For additional requirements for this degree see DEPARTMENTAL COURSES: Major in Chemistry.) To obtain either of these degrees the student must satisfy certain conditions.

THE STUDENT MUST EARN 124 semester-hours of credit including courses in General Education, the Field of Concentration, and Physical Education, plus eight credits for Convocation and Chapel, or the equivalent. A student seeking certification to teach must also take certain required courses in Education.

His work must conform to certain scholastic requirements. These include a specified *grade-point average* in courses, the passing of a *comprehensive examination* in his field of concentration, and satisfactory scores on the *Graduate Record Examination*. He must show *proficiency in English*.

A student who meets these requirements with an outstanding record is eligible to become a candidate for a *degree with Honors*.

Detailed requirements in all of these areas are explained in the section below:

SPECIFIED REQUIREMENTS

Courses in General Education. These basic courses (See GENERAL EDUCATION) must be completed by every candidate for a degree. These basic requirements will be adjusted for an upper-class student transferring to Denison. In some instances, courses he has previously taken will be accepted as the equivalent of the Denison requirements.

The Field of Concentration. The student is enabled to specialize in a particular field of learning, either in one department or in two or more departments.

Foreign Language Requirement. This requirement may be satisfied (A) by the submission of proof of proficiency or (B) by taking language courses.

A. Entering students will be given *credit* and/or *waiver* by meeting the following conditions:

- Credit* and *waiver* for a score of 700 on a College Board Achievement Examination.
- Credit* and/or *waiver* for adequate performance on a CEEB Advanced Placement Test. (See *Advanced Placement in Admission*.)

- Credit and/or waiver for successful completion of the Proficiency Examination given each year in September before classes begin by the Department of Modern Languages. (See *Proficiency Examinations* in PLAN OF STUDY.)
- Waiver for four or more years of one high school language submitted for entrance to Denison.

B. A year of high school language is considered equivalent to a college semester (111), two years of a high school language to a college year (111-112), etc. *High school units may not be repeated for credit at Denison.* Completion of a 212 course, two college years, is considered the basic measure of acceptable proficiency. An exception is made when a student begins a new language.

The following alternatives exist for completing the language requirement through taking course work:

If the student presents no language or cannot or does not wish to continue the one he began in high school, he may take a 111-112 course to fulfill the requirement. (8 hours)

If he presents one year of a high school language, he may complete the requirement by taking a 112 and a 211 course. (7 hours)

If he presents two years of a high school language, the requirement is fulfilled by taking a 211-212 course. (6 hours)

For those who enter Denison with three years of a high school language, a special course, 215, will satisfy the requirement. (4 hours)

* * *

If a student presenting four years of a high school language wishes to elect an advanced course (311 or above) but, in the judgment of the Department of the Modern Languages is not adequately prepared, he may be permitted to take the 215 course for credit.

All students entering with high school preparation in Modern Languages are required to take the language entrance test in one language, even if they are to receive *credit* and/or *waiver*. These scores serve for further counseling.

A Candidate for the Bachelor of Arts Degree. A student may concentrate in any of the following fields: Area Studies (The Americas, France, and Germany—Transdepartmental), Astronomy, Biology (Botany and Zoology), Chemistry, Earth Science (see Geology), Economics, Education, English (in Literature and in Writing), Geology, Government, History, Mathematics, Modern Languages (French, German, and Spanish), Music (see Bachelor of Music degree), Philosophy, Physical Education, Physics, Psychology, Religion, Social Studies (transdepartmental), Sociology, Speech, Theatre Arts, and Visual Arts.

A candidate for the Bachelor of Arts degree who concentrates (or majors) in one department must successfully complete from 24 to 40 semester-hours of work with at least a 2.0 average in the major field. If the student earns credit in a given department in excess of 40 semester-hours, the excess must be in addition to his normal graduation requirement. A total of 60 hours may be earned in the major field and specified related area requirements.

A Candidate for the Bachelor of Science Degree. A student may concentrate in any of the following fields: Astronomy, Biology (Botany and Zoology), Chemistry, Geology, Mathematics, Physics, and Psychology.

A candidate for the Bachelor of Science degree may earn a maximum of 70 semester-hours in the major field and specified related area requirements. At least 24 hours must be earned in the major field with at least a 2.0 average.

A student who wishes to concentrate in a general field, rather than one department, shall take a minimum of 36 semester-hours with at least a 2.0 average from two or three closely related departments, with not less than 15 semester-hours, ordinarily in sequence,



*Dr. J. B. Brown and
student measuring
heat of reaction*



Dr. Seils meets with seminar class

in one of these departments. (See also the Transdepartmental Majors.) A student who wishes to avail himself of the privilege of concentrating in a general area must make his choice not later than the beginning of the junior year. Ordinarily the choice of a major in a single department is also made not later than the beginning of the junior year.

Each department shall appoint an Adviser for each student whose field of concentration is within that department. An appropriate faculty representative who will outline a suitable sequence of courses will be appointed for each student whose field of concentration crosses departmental lines. Such appointments will be made by the Dean of the College in consultation with the chairmen of the departments concerned.

Each student is urged to make definite choice of a field of concentration before entering his junior year. *If a student decides to change his field of concentration during his junior year, he may be required to take an extra semester to meet graduation requirements. Any student who changes his field of concentration during his senior year will ordinarily be required to take at least one extra semester to meet graduation requirements.*

Physical Education Requirement for Men. Except those students who elect the AFROTC program, a student is required to earn one credit-hour in Physical Education in each semester in the freshman and sophomore years. A student who successfully com-

pletes the first two years (basic program) of AFROTC is required to enroll for only one year of Physical Education, which may be taken in either the freshman or the sophomore year. Upon successful completion of the first two years (basic program) of AFROTC, a student who chooses to take only one year of Physical Education will be granted an additional two hours' credit toward graduation. *Any student who is excused from the Physical Education requirement for reasons of health must earn an equivalent amount of credit in other courses.* (For credit in military service see Physical Education under DEPARTMENTAL COURSES.)

Physical Education Requirement for Women. (See PHYSICAL EDUCATION.)

Convocation and Chapel Attendance. One or one-half credit-hour may be earned each semester, providing the record shows the student has met the appropriate attendance requirements. Many lectures, recitals, concerts, and other cultural and educational events are offered for supplementary convocation credit in addition to the all-college convocations. *Any student who does not accum-*

Architect's rendering of new men's residence hall and Curtis Hall addition



Plan of Study

ulate eight credit-hours must earn for graduation an equivalent amount of credit in elective courses.

Elective Courses. Additional courses of study may complete the total number of semester-hours of credit to satisfy the graduation requirements. Both the student and his adviser shall strive constantly to choose the courses that will tend to develop a well-rounded and balanced personality. Lack of acquaintance with a subject or a field constitutes a strong reason for undertaking its study.

DEGREE OF BACHELOR OF FINE ARTS

A STUDENT who satisfies the prescribed requirements will receive the degree of *Bachelor of Fine Arts*. The field of concentration shall be Theatre Arts or Visual Arts.

A candidate for the degree of Bachelor of Fine Arts must meet all basic requirements except that such a candidate who is not also a candidate for a teaching certificate may, with the consent of the departmental chairman, substitute up to nine hours from the recommended list for the specified requirements (See SUMMARY OF COURSE REQUIREMENTS).

Candidates for the Bachelor of Fine Arts degree may earn a maximum of 70 semester-hours in the major field and specified related area requirements. At least 44 of these hours must be earned in the major field with a least a 2.0 average.

BACHELOR OF SCIENCE IN EDUCATION

THE STUDENT preparing for the Bachelor of Science in Education degree shall normally meet the same requirements as stated above for students who major in other departments. (See under DEGREES IN ARTS OR SCIENCE.) He shall complete from 27 to 36 semester-hours of credit in Education with at least a 2.0 average.

SECONDARY SCHOOL TEACHING

A TEACHING CERTIFICATE that will permit a student to teach in grades 7 through 12 is issued to any qualified student providing



Student teaching German in Newark High School (Ohio)

he meets the requirements for a degree at Denison, the requirements of the Department of Education of Ohio and the State in which he plans to teach, and achieves a satisfactory rating on a psychological test and on tests in English, handwriting, vocabulary, and speech.

In Ohio, as in most states, a student usually earns certification in two different teaching areas. Certification, in at least two areas, is desirable to facilitate placement. One of these teaching areas will be the area in which the student majors for graduation. In addition to the courses required for the teaching areas, each prospective teacher must take 18 semester-hours of credit in Education. The State Department of Education in Ohio prescribes Education 213, 217, 420, a course in Methods of Teaching (either in a teaching area or in Education 326), and Student Teaching.

A student interested in teaching should consult the Department of Education as early as possible. Early planning will help him to meet the requirements for certification in any State in which he may wish to teach.

DEGREES IN MUSIC

A STUDENT who desires to earn any of the degrees in Music should make this decision known, if possible, when he is admitted to Denison, and certainly not later than the end of the freshman year.

Teaching Certification. A student planning to teach Music in the public schools will elect Education 213, 217, 315-316, 415-416, and 420.

Diploma in Applied Music. This diploma is granted to the student who fulfills the requirements as outlined for a degree in Music and upon recommendation of the Music faculty presents a public recital in his senior year.

General Education. The requirements are basically the same for all degrees earned at Denison. (See Specified Requirements at the beginning of this chapter.) In addition, the student will satisfy the Physical Education requirement (4 hours) and earn Chapel and Convocation credits or their equivalent (8 hours).

FIELDS OF CONCENTRATION FOR MUSIC DEGREES

BACHELOR OF MUSIC

Major in Applied Music. Music (78 hours)—Music 102, 115-116, 201-202, 215-216, 311-312, 331-332; and Ensemble (4 hours); Applied Music (24-28 hours); Electives (13-17 hours); and a Graduating Recital in the major field.

Major in Music Education. This major enables the candidate to undertake the regular undergraduate plan in preparation for public school music teaching, leading to both the Bachelor of Music (Music Education) degree and the Ohio Provisional Special Certificate (Music).

REQUIREMENTS: Music 102, 115-116, 141-142, 151-152, 161-162, 201-202, 215-216, 307-308, 311-312; Applied Music (16 hours), and Ensemble (4 hours); Education 213, 217, 315-316, 415-416, and 420. Careful planning of the schedule will enable the student to elect one or more courses in music literature.

The comprehensive examination for this degree will be divided between Music and Music Education. Piano proficiency requirements must be met at the time of the comprehensive examination.

Major in Theory and Composition. Music (78 hours)—Music 102, 115-116, 141-142, 151-152, 201-202, 215-216, 307-308, 311-312, 331-332, 341-342, 441-442; Applied Music (16 hours); Ensemble (4 hours); and a course in music literature (3 hours). In addition, the student will have three compositions ready for performance at the end of the junior year and will compose a work of major proportions during the senior year.

BACHELOR OF ARTS WITH MUSIC MAJOR

REQUIREMENTS: Music (40 hours) including Music 102, 115-116, 215-216, 311-312, 331-332, and Applied Music (13 hours). In Related Areas (20 hours) including Music 201-202, two courses in music literature (6 hours), and 8 additional hours to be prescribed by the major adviser.

SCHOLASTIC REQUIREMENTS

THE GRADE-POINT SYSTEM in force at Denison follows:

- A (*Excellent*) 4 points for each credit-hour.
- B (*Good*) 3 points for each credit-hour.
- C (*Fair*) 2 points for each credit-hour.
- D (*Passing*) 1 point for each credit-hour.
- F (*Failure*) 0 points for each credit-hour.
- I (*Incomplete*)
- WF (*Withdrawn Failing*)
- WP (*Withdrawn Passing*)

Incomplete is recorded only upon recommendation of the instructor and approval of the appropriate Dean of Students in cases of illness or other emergencies. The student will be granted an extension of time to complete the course but *normally no later than the middle of the next semester in residence.*

No grade will be recorded if a student receives permission to withdraw from a course before the end of the second week of classes.

Juniors and seniors may elect to take one course per semester, not in their major field, on a Pass-Fail basis with the mutual agreement of the instructor and department involved. Only an F grade will be counted in the grade-point average.

Withdrawn Failing or Withdrawn Passing is recorded when a student officially withdraws from a course during the third, fourth or fifth week of a semester without incurring an academic penalty. Thereafter, a WF or WP shall count as a Failure. However, if a student withdraws from the University before midsemester, no courses are entered on his permanent record. (See WITHDRAWAL FROM THE UNIVERSITY UNDER REGISTRATION.)

Academic Probation. If a student's cumulative grade-point average is less than 2.0 at the end of any semester, he will be on academic probation. He will be continued on academic probation until his cumulative grade-point average is 2.0 or above.

Junior Standing. A sophomore on academic probation shall be admitted to the junior year only through petition to and favorable action by the Committee on Academic Status. (This refers to any student on probation at the end of his second year at Denison, whether or not he has sophomore standing as determined by credit-hours.) The Committee's usual policy is to demand evidence of acceptance of the student by a department willing to permit him to major in that field before favorable action on the petition is taken.

Residence Requirement. To be a candidate for a Denison degree a student who enters Denison as a freshman must complete six semesters at Denison, and a transfer student must complete the last two full years (or the last four semesters) at Denison. All students, except those in recognized pre-professional 3-2 programs, must complete the last two semesters at Denison. Exceptions will be made only by the Executive Committee.

Special Student. Registration as a special student is open to persons living within commuting distance of Granville, to certain foreign students who wish to take or audit courses of special interest to them but are not interested in a degree, and to certain graduates wishing to take post-graduate work. A special student may not register for more than six hours of academic credit except

by permission of the Committee on Academic Status. If academic credit is desired, appropriate credentials must be submitted to the Director of Admissions. If after two semesters a student has failed to maintain a 2.0 average, his special standing shall be terminated.

Academic Suspension. A student failing to make a C average while on academic probation will be suspended. At the end of the first semester the student may petition the Committee on Academic Status for deferment of his suspension until June and request permission to enroll for the second semester. If his suspension is deferred by the Committee, the student must, during the second semester, reduce his point deficiency by one-half to be eligible for return in the fall. Any student who falls below a 1.0 grade-point average in any semester will be suspended.

Eligibility for Re-enrollment. A student on academic suspension who has shown marked improvement over his Denison record in work taken at some other accredited college or university or can present evidence of a maturing non-academic experience may petition the Committee on Academic Status for reinstatement, this petition to be submitted through the Office of the appropriate Dean of Students.

A former student, who was in good academic and social standing when he left the University, may be readmitted to Denison by writing to the appropriate Dean of Students and by repayment of the \$25 registration deposit.

Graduation. To be eligible for graduation a student must have a cumulative grade-point average of at least 2.0, both over-all and in the major field. This means that his entire cumulative record, including courses passed, failed, and repeated, must average at least 2.0.

Graduate Record Examination. As part of the series of nationally used achievement tests in General Education, every student is required to take the Graduate Record Examination in his senior year. The test scores, which are interpreted to the student, give valuable information as to his standing with reference to students in several hundred colleges and universities throughout the country, and in comparison with his Denison classmates. *The scores are required for admission to most graduate and professional schools,*

and are increasingly requested by industrial and commercial firms considering students for employment.

A senior whose scores on the Graduate Record Examination fall in the lower percentiles may expect his total record at Denison to be carefully considered.

Any senior who fails to appear for the Graduate Record Examination, unless excused by reason of illness or other emergency, will forfeit all credit for the semester in which the examination is offered.

Comprehensive Examination. This device is used to measure the ability of a student to correlate his knowledge effectively. During his senior year, a student shall be examined on his command of the facts and principles in his field of concentration and on his ability to use this knowledge in new situations. At the discretion of the department or departments concerned, a part of the comprehensive examination may take the form of a recital, thesis, or project. *The comprehensive examination must be passed in its entirety if the student is to be graduated.*

The comprehensive examination will be arranged by the student's adviser in cooperation with the other members of the department. The comprehensive examinations of transdepartmental majors will be arranged by the student's adviser and such members of the departments involved as the Dean of the College in cooperation with the departmental chairmen shall designate.

PRIVILEGES OPEN TO THE SUPERIOR STUDENT

TO ENCOURAGE A SUPERIOR STUDENT to make the most of his abilities, Denison offers a number of special opportunities.

Advanced Placement. A program to give recognition to the student who takes college-level courses in secondary school is Advanced Placement. Denison welcomes such a student who may be excused from certain college requirements by satisfactorily passing the Advanced Placement Examinations of the College Entrance Examination Board in any of the following: English Composition, Literature, Foreign Languages, American History, European History, Biology, Chemistry, Physics, and Mathematics.

Credit will be given to a student who completes Advanced Placement Examinations with scores of 4 or 5. Credit may be given for a score of 3 upon recommendation of the Director of Testing.

Proficiency Examinations. These examinations are regularly scheduled by the Office of Testing at the beginning of each academic year at Denison. When an entering student demonstrates by examination his grasp of the subject matter in any course in basic education, he will be excused by the Director of Testing from taking that course. If he passes the examination with a grade of A or B, the student will receive the corresponding graduation credit. *No fee is charged for proficiency examinations in basic education courses taken by freshmen.*

Any student may take a proficiency examination in any Denison course provided that the student has not completed an equivalent—or a more advanced—course in the same area. If he passes the examination with a grade of A or B, he will receive the corresponding course credit toward graduation. If he passes the examination with a grade of C, no credit will be given but, if the course is required, it may be waived with the approval of the departmental chairman concerned and the Director of Testing. *A non-refundable fee of \$5 per credit-hour will be charged for all proficiency examinations except as provided for in the preceding paragraph.*

A student may take a proficiency examination in Oral Communication during either the freshman or sophomore year. A student who fails to meet the proficiency requirement by oral examination must earn credit in Speech 101 or 211 or in Theatre Arts 101, 113, 227, or 228.

Freshman-Sophomore Honors Programs. Seminars covering a variety of topics are open to selected freshman and sophomore students of demonstrated outstanding ability.

Directed Study. A superior student is permitted to work intensively in areas of special interest under the Directed Study plan in the sophomore or junior year and to continue to do Individual Work for Honors in the senior year. *A superior student is defined as one whose record during the three semesters preceding this ap-*

plication for Directed Study or Individual Work for Honors shows at least a 3.0 grade-point average with at least 3.4 in the field of concentration. The chairman of a department is privileged, however, to recommend a student who has not met these requirements.

Honors Project. This privilege is open to any senior who fulfills certain requirements. When recommended by his academic adviser and approved by the Curriculum Committee, the student investigates a selected topic in his field of concentration. If his work is of high quality, he will be granted six credits toward graduation. If in addition to receiving an honors rating on his project, he passes his comprehensive examination with a superior rating, he will be graduated with Honors. (See Graduation with Honors under ACADEMIC HONORS AND PRIZES.) A student wishing to undertake an honors project should make application to the Dean of the College.

Junior and Senior Fellows. Several departments of the college utilize the services of selected students who have demonstrated unusual capacity in their special field to assist the faculty in various aspects of the instructional program.

These students are paid a modest annual stipend. Their selection is competitive. Junior fellows normally advance to senior status in their senior year with increased opportunities and responsibilities. The responsibilities of being a junior or senior fellow are especially valuable to students who expect to go on to graduate school in preparation for college teaching.

Non-Western Studies. Denison offers a variety of courses dealing with the non-Western world. Africa south of the Sahara, the Middle East, China, Japan, India, and Burma are areas given special attention in the departments of History, Theatre Arts, Visual Arts, Religion, Philosophy, and Economics. Such courses usually are taught by instructors who have lived or studied in the areas or who have done graduate or post-doctoral work related to the area. Visiting lecturers and performing artists from these areas are also brought to the campus for short periods. Students interested in specific areas may arrange for directed studies, either within a specific department or on a transdepartmental basis. (See *Junior Year Abroad* in the following section.)

OFF-CAMPUS PROGRAMS

By PETITION to the Committee on Academic Status the superior student may qualify for one of the off-campus programs of study described in the following:

Washington Semester Plan. This program is a means of introducing superior students from a limited number of colleges to the source materials and governmental institutions at Washington, D.C. An agreement for this purpose exists between Denison and the American University in Washington, D.C. Under this plan select students from Denison spend the first semester of their junior year (or other semester by special arrangement) at the School of Social Sciences and Public Affairs of the American University, receiving credit toward a degree from Denison.

This study includes three regular courses at the School of Social Sciences and Public Affairs of the American University, a seminar, and a directed, independent investigation on a subject of particular interest to the student. Under inter-institutional contract those participating in this plan continue to pay their tuition at Denison. While in Washington they meet the expenses of travel, room, fees, meals, and incidentals directly. Application for the Washington Semester should be made to the chairman of the Department of Government but the plan is open to students interested in other major fields.

Junior Year Abroad. This officially sponsored and supervised program by recognized American colleges and universities and the Great Lakes Colleges Association is open to any Denison student who meets certain requirements. *He must have completed 60 semester-hours of academic work with an over-all average of B.* He must give evidence of adequate preparation in the foreign language needed, and be recommended by the appropriate Dean of Students and by the chairman of the department in which he is majoring at Denison. He must arrange a program of study which meets the approval of his major adviser. Finally, his appointment must be approved by the Executive Committee of the Faculty. All information must be in the hands of the Committee by April 1.

A student interested in spending the year abroad should investigate carefully all of the other programs available in the coun-

Plan of Study

try of his choice. If he plans to study independently, he should make a thorough investigation of the institution he wishes to attend.

Great Lakes Colleges Association programs are available at American University of Beirut, Lebanon; Waseda University in Tokyo, Japan; and in Bogota, Colombia. Requirements vary as to language competence, but, generally, instruction is in English. For the latter two programs language study either in Japanese or Spanish is required. It is possible to participate in the programs in Japan and in Colombia for a single semester.

A program in Basel, Switzerland, is administered by the Regional Council for International Education. This program centers on European studies, and English is the media of instruction. A limited number of places are available for Denison students at the University of Aberdeen in Scotland, and at the Center for International Studies in Bologna, Italy. A variety of other possibilities are available in Europe, particularly in the program administered by Sweet Briar College in Paris, France.

All courses for which credit is to be given must be validated either by a transcript of credits, or by a certificate of satisfactory work, including the number of class hours and/or tutorial sessions attended. It is expected that students engaged in a program of independent study will take the course examinations at the university. Under exceptional circumstances, for which approval is necessary, credit may be given by examination here. Thirty semester-hours a year will be the maximum for which Denison credit is given.

Presidents' Drive is known as "The Drag"





Dr. Secor counsels junior-year-abroad applicants.

Upon his return to Denison the student must file with the Dean of the College and the chairman of his major department a report of his year abroad and his own evaluation of his educational experience in the foreign institution.

Any student who fails to comply with these procedures will be considered to have withdrawn voluntarily from the University. His return in a subsequent year will be dependent upon the availability of housing. In such a case, a request for transfer of credits from abroad will be considered by the Committee on Academic Status.

Merrill-Palmer School. This Detroit, Michigan, school offers an opportunity for a limited number of superior Denison students interested in work in the areas of human development and human relations with particular emphasis on family life. The student should plan to take one semester in residence in Detroit during the junior year. Application should be made to the chairman of the department in which the student is majoring or to the Dean of the College.

Student Exchange. Arrangements for any Denison student, usually for one semester, are in effect with Hampton Institute, Howard University, and Fisk University. Students of high academic standing may apply for this program of intergroup relations which awards full credit toward a degree at Denison. The cost of a semester at one of these colleges involves little additional expense for the student other than travel. Application should be made to the adviser of the Intercollege Community Council of the Denison Campus Government Association.

COMBINED ARTS-PROFESSIONAL COURSES

COMBINED ARTS-PROFESSIONAL COURSES enable the Denison student to obtain a degree *in absentia* if he has good reason to shorten the normal time required for a professional degree. Under certain conditions, Denison awards the bachelor's degree upon the successful completion of the first year in a recognized school of engineering, law, or medicine. To qualify for this privilege, a student must successfully complete the specified requirements for graduation at Denison with a total credit of 96 semester-hours, at the *graduating rate of two or more points for each hour*. He must also successfully complete all the specified requirements for admission to a school of engineering, law, or medicine acceptable to the Denison faculty.

On this basis, a student may earn a bachelor's degree from Denison and a degree in engineering in five years; a bachelor's degree from Denison and a degree in law in six years; a bachelor's degree from Denison and medical degree in seven years.

A student should recognize, however, that under present conditions of admission to professional schools, particularly medical schools, a candidate who has earned a bachelor's degree has a decided advantage, and that admission without a bachelor's degree is granted only to applicants of outstanding record.

With The University of Chicago. Students in certain fields may follow a continuing program leading to the bachelor's degree from Denison and the master's degree from the University of Chicago in a normal academic program of five years. In this program, a student spends his first three years at Denison and the last two at the University of Chicago. During his three years at Denison the student must complete all the specified requirements for graduation except that he need not take more than four semester courses in his field of concentration and may complete his major requirements in his first year at the University of Chicago. If he follows this plan, he will take his Denison comprehensive examination at the end of his fourth year. Upon satisfactory completion of his first year at the University of Chicago the student can normally expect to receive his bachelor's degree from Denison; and, upon satisfactory completion of his second year, the master's degree from the University of Chicago. Any student interested in this plan should consult the chairman of the department in which he wishes to do graduate work.

Denison University is one of 37 liberal arts colleges in the University of Chicago Cooperative Program to recruit and prepare able students for careers as college teachers.

With Duke University in Forestry. Denison University offers a program of forestry in cooperation with the School of Forestry of Duke University. Upon successful completion of a 5-year coordinated course of study, a student will hold the Bachelor of Science degree from Denison University and the professional degree of Master of Forestry from the Duke School of Forestry.

A student electing to pursue this curriculum spends the first three years in residence at Denison University and the last two years of his program at the Duke School of Forestry.

A candidate for the forestry program should indicate to the Director of Admissions of Denison University that he wishes to apply for the Liberal Arts-Forestry Curriculum. Admission to Denison is granted under the same conditions as for other curricula. At the end of the first semester of the third year the University will recommend qualified students for admission to the Duke School of Forestry. Each recommendation will be accompanied by the student's application for admission and a transcript of his academic record at Denison. No application need be made to the Duke School of Forestry prior to this time.

With Colleges of Engineering. In order to facilitate the combination of liberal arts and engineering education and to give a student planning a career in engineering an opportunity to secure a broad basis for his specialized courses and thereby enhance his worth as an engineer and as a citizen, *Rensselaer Polytechnic Institute* has entered into a combined arrangement with Denison for a five-year course. In this program, a student spends his first three years at Denison and the last two in the engineering program of his choice at Rensselaer. The College of Engineering and Applied Science of the *University of Rochester* has included Denison in its Two-College Plan. This program leads to a B.A. degree from Denison and a B.S. degree from Rochester. During the three years at Denison the student attains a strong foundation in the natural sciences, the humanities, and social sciences. The last two years are devoted to specialized professional preparation in one of the departments of the College of Engineering and Applied Science—

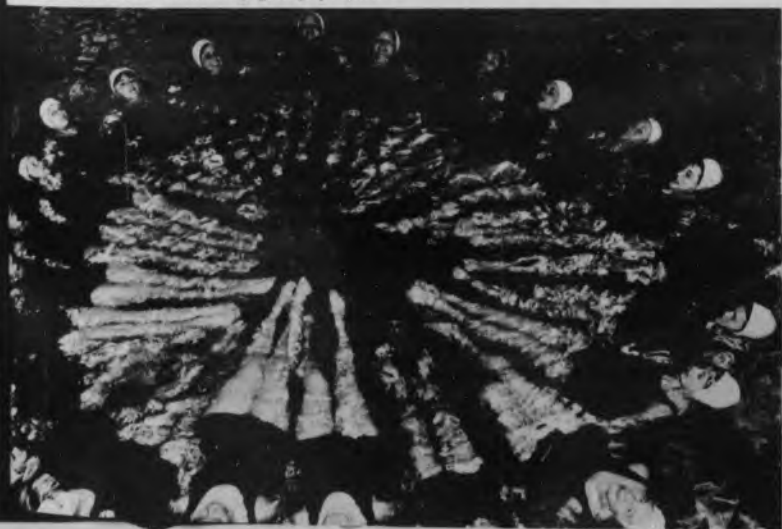
Plan of Study

Chemical Engineering, Electrical Engineering, Mechanical and Aerospace Sciences, and Optics. Similar arrangements are available with other approved colleges of engineering.

With Licking County Hospital in Medical Technology. Denison University offers a program of medical technology in cooperation with Licking County Hospital's School of Medical Technology, Newark, Ohio. A student in this program completes three years toward a major in biology at Denison University, followed by a 12-month training period in the Hospital. Upon successful completion of the Denison requirements for graduation and this medical training and certification by the Board of Registry of Medical Technologists under the auspices of the American Society of Clinical Pathologists, the student may qualify for either the Bachelor of Science or Bachelor of Arts degree at Denison.

With Universities Offering Physical Therapy. Denison University offers a student majoring in biology the opportunity, after completing subject degree requirements in three years and passing the comprehensive examination at Denison, to qualify for a bachelor's degree on successful completion of the first year's requirements at Duke University, the University of North Carolina, and others. Permission for this arrangement should be made with the Dean of the College not later than the beginning of the junior year.

Synchronized swimming group performs



Courses of Study

SUMMARY OF BASIC REQUIREMENTS

Requirements for Bachelor of Arts, Bachelor of Science, Bachelor of Fine Arts, and Bachelor of Music Degrees**

	Required	Recommended**
ENGLISH 101	3	
FINE ARTS (Choice of one course from Music 101, 102, or 201-202; Theatre Arts 103, 105, 111-112, or any Theatre History course; Visual Arts 101, 103a, 103b, 121, or any two Art History courses). Recommended is a course in another Art area.	3	3
FOREIGN LANGUAGE (See PLAN OF STUDY)	6	
LITERATURE (in English at 200-level or in a Foreign Language at 300-level)	3	
MATHEMATICS 101 or PHILOSOPHY 105 or 312		3
PHILOSOPHIC AND THEOLOGICAL IDEAS		
GE 18—Introduction; (or Philosophy 101, or Religion 101, 102 or 103); to be taken in Freshman year	3	
GE 81—Contemporary Ideas; to be taken in Junior or Senior year; or Philosophy or Religion at the 200 level or above		3

*A candidate for the Bachelor of Fine Arts or the Bachelor of Music degree (not expecting to qualify for a Teaching Certificate) may be permitted, with the consent of his departmental chairman, to substitute up to 9 semester-hours of credit from the recommended list for 9 hours from the required list.

**In addition to the required courses a student must elect at least one 3-credit course from the recommended list.

Courses of Study

PRINCIPLES OF SCIENCE

3 Introductory one-semester courses in 3 different departments (Astronomy 111 or 112, Biology 101, 102, or 103; Chemistry 105, Geology 111 or 112, Physical Science 53 or 54***, Physics 121 or 221, or Psychology 101) 9

SOCIAL SCIENCES (Choose 2—Economics 211, Government 211, or Sociology 207) 6 3

WESTERN CIVILIZATION (History 101-102) to be taken in Freshman or Sophomore year 6

39 3**

* * * * *

ORAL COMMUNICATION

Speech 101 or 211 or Theatre Arts 101, 113, 227, or 228 must be taken by a student who fails to pass the proficiency examination in Oral Communication during the Freshman or Sophomore year.

**In addition to the required courses a student must elect at least one 3-credit course from the recommended list.

***GE 53 may be taken independently, or the GE 53, 54 sequence may be taken to fulfill requirements for two separate sciences. GE 53 is a prerequisite for GE 54.

Miss Lewis meets literature class on campus





Students taking final examinations

DENISON expects a student to achieve the specialization needed for success in his chosen vocation, and to acquire the general knowledge common to all well-educated persons. To these ends, a student is required to concentrate in one or more fields of learning (see DEPARTMENTAL COURSES: Kinds of Majors) and to comply with the listed course requirements in General Education (basic courses).

COURSES IN GENERAL EDUCATION

EVERY WELL-EDUCATED PERSON needs certain skills and an understanding of the ideas, principles, and methods which are commonly used in the chief areas of modern knowledge. In recognition of this fact, many colleges in recent years have instituted a program of general education. These courses are *basic* because they represent the common foundation of the curriculum which is required of every student *regardless of his field of specialization*. They are required in order that he may have a foundation upon which to build an enduring specialized career and in order that he may more intelligently assume his responsibilities as a citizen.

A few of the following General Education courses continue, with slight modification, courses which have long been offered in every college of liberal arts. Others cross traditional departmental

Courses of Study

lines to investigate broad areas of knowledge. All of them are designed to contribute to vocational success and to provide the skills, understanding, and sense of values necessary for intelligent living.

AIR FORCE ROTC students who complete the two-year basic program will be permitted to meet the Physical Education requirement by earning two hours' credit only.

Hyphenated courses are year courses; credit indicates amount to be earned each semester.

PHILOSOPHIC AND THEOLOGICAL IDEAS

GENERAL EDUCATION 18. INTRODUCTION TO PHILOSOPHY AND THEOLOGY Staff. 3

A study of basic philosophic and theological ideas. Emphasis is placed on certain significant issues which the student will meet in other fields of study, and to which he may elect to return in the advanced companion course in this field. Attention is directed to the Bible and to textbooks in Philosophy. (To be taken in the freshman year either semester.) Philosophy 101 or Religion 101, 102, or 103 may be substituted.

GENERAL EDUCATION 81. CONTEMPORARY PHILOSOPHIC AND THEOLOGICAL IDEAS Staff. 3

A study of contemporary philosophic and theological ideas which purposes to serve an integrative function for one's knowledge and experience. This course strives to further the student's formulation of a meaningful philosophy of life. (To be taken in the junior or senior year either semester.)

GE 81 is recommended but not required. One 3-credit course in Philosophy or Religion at the 200 level or above may be substituted.



Dr. Grant supervises Physical Science courses

PRINCIPLES OF SCIENCE

TO ACQUIRE AN APPRECIATION OF SCIENCE in our modern culture and in all lines of human thought, a student must take three one-semester courses in science. Courses may be chosen from Astronomy, Biology, Chemistry, Geology, Physical Science, Physics, or Psychology. If Physical Science 53 and 54 are elected, they may count as two of the three courses required.

GENERAL EDUCATION 53, 54. PHYSICAL SCIENCE

Staff. 3

Two separate courses presenting the history and the philosophy of the physical sciences by an integrated presentation of selected topics which emphasize the fundamental principles of physics, chemistry, and astronomy. The laboratory work consists of a number of projects which bring out the methods of the physical sciences and give the student some experience with the scientific method. An emphasis is placed on the social and philosophical outcomes of modern science. Three lectures and one laboratory session each week. Both courses may be taken to satisfy the requirements for two units of science; GE 53 is a prerequisite for GE 54.

DEPARTMENTAL COURSES

COURSES BY DEPARTMENTS indicate the areas of specialization open to a student. Departments of instruction are presented in alphabetical order.

Course Numbers. Courses offered are listed with the descriptive title and semester-hours of credit. Courses numbered 100-199 are intended primarily for freshmen; 200-299, for sophomores; 300-399, for juniors; and 400-499, for seniors. Odd-numbered courses are given in the first semester and the even-numbered ones in the second semester unless otherwise indicated. Hyphenated courses are year-courses; credit indicates amount to be earned *each semester*.

Courses Offered. Denison plans to offer the courses listed below but reserves the right in any year to withdraw those of interest to only a few students.

Additional Credit. With the consent of the instructor and fulfilling of the required grade-point average a student may register for an additional hour of credit in a course beyond the introductory level. The instructor will specify the nature of the extra work required by the additional hour.

Kinds of Majors. Three kinds of majors are offered: (1) departmental, (2) transdepartmental, and (3) combined. Requirements for a major in a single department are stated under each department. A major involving a study of subjects relating to more than one department is listed below as a transdepartmental major. A combined major differs from a departmental major in that the field of concentration involves courses from two departments. Arrangements for a combined major may be made with the Dean of the College. Transdepartmental majors described below require the study of related subjects in several departments.

INTERDEPARTMENTAL COURSES

MR. SCHAGRIN (on leave, 1966-67) (History of Science); MR. HOLTER (Russian Culture and Civilization)

INTERDEPARTMENTAL 101. COMPUTING (ALGOL PROGRAMMING)
Mathematics Staff. 1

Each student will attend a 1-hour lecture and a 2-hour laboratory each week until he has written the prescribed set of programs and successfully run them on Denison's Computer. There is no final examination in the course.

INTERDEPARTMENTAL 301. HISTORY OF SCIENCE Mr. Schagrin. 3
The history of the emergence of modern science from medieval thought. Attention is focused on the interrelations of this movement with the philosophy and the social, political, and economic changes occurring then. A survey of the historical foundations of modern science. Prerequisites: Junior standing and completion of two semesters of General Education science requirements.

INTERDEPARTMENTAL 302. HISTORY OF SCIENCE Mr. Schagrin. 3
Intensive study of specific cases of innovations in the sciences in the period from Newton to the mid 19th century. A detailed examination of examples of research in the experimental sciences. An attempt to understand the conditions for progress and the forces at work in the evolution of science. Prerequisites: Junior standing and completion of two semesters of General Education science requirements. *Interdepartmental 301 is not required.*

INTERDEPARTMENTAL 310. RUSSIAN CULTURAL AND INTELLECTUAL
DEVELOPMENT Mr. Holter. 3
The evolution of Russian art, music, literature, theatre, and philosophy from the 9th Century to about 1917.

INTERDEPARTMENTAL 311. INTELLECTUAL AND CULTURAL DEVELOP-
MENT OF THE USSR Mr. Holter. 3
The evolution and achievements of literature, the arts, and the systematic and political philosophy of Soviet Russia and the Republics of the USSR since 1917.

INTERDEPARTMENTAL 315. SOVIET CIVILIZATION Mr. Holter. 3
An approach to the understanding of today's Soviet Union from the standpoint of anthropology, economics, geography, political institutions, and sociology.

INTERDEPARTMENTAL 450. CLASSICS OF SCIENCE

Mr. Schagrin. 2, 3, 4

A directed reading program concerned with classical investigations in science *for Science majors only*. The primary emphasis will be on the methods and modes of approach used by the great scientists in the student's own field of concentration. Prerequisite: Consent of instructor.


TRANSDEPARTMENTAL MAJORS

AREA STUDIES MAJOR: Latin America, France, or Germany. A major in Latin America, France, or Germany coordinates courses dealing with foreign countries, regions, and civilizations in various departments of the university. The courses are chosen from Modern Languages, Geography, History, Government, Economics, Philosophy, Sociology, and English. This major provides background for a career in foreign service, business enterprises dealing with foreign countries, teaching, journalism, international relations work, or related activities.

A student interested in enrolling for Latin America should see Mr. Steele; for France, Mr. Secor; and for Germany, Mr. Hirshler.

SOCIAL STUDIES MAJOR: The major in Social Studies is designed to give the student a broad cultural background in the various subject areas of the social sciences. A student selecting this major would satisfactorily complete 50 to 60 hours in the departments of Economics, Geography, Government, History, Philosophy, Psychology, Religion, and Sociology. He chooses one of these departments for his major emphasis, thus taking 15 to 18 hours' credit under the guidance of a faculty member from that department who serves as his Adviser in planning a program of related courses from four of the above departments in the social studies areas that will most fully meet his individual needs.

Deeds Field, Stadium, and Physical Education Center





The Denison University Biological Reserve was dedicated in 1966. UPPER PHOTO shows Dr. Alrutz, Reserve director, supervising student research project at the pond. MIDDLE PHOTO—a spring-fed stream provides a natural outdoor laboratory. BOTTOM PHOTO shows principals at dedication ceremonies—Robert F. VanVoorhis, Curator William Slater, H. Granville Smith, Robert R. Finlay, Dr. Alrutz, and James Myers.



ASTRONOMY

PHYSICS STAFF

CHAIRMAN (1966-69), MR. WHEELER

ASTRONOMY 111 and 112 constitute a descriptive survey of Astronomy designed for the general student. For a full coverage of the subject both courses should be elected, but each is self-contained and either may be elected to satisfy one course of the science requirement. The student who desires preparation for graduate work in Astronomy, Astrophysics, or Space Physics should pursue a modified major in Physics. This program normally will include one or more year courses in Astronomy. See Courses of Study in Physics.

ASTRONOMY 111. DESCRIPTIVE

ASTRONOMY Staff. 3

Celestial sphere: coordinate systems and constellation study; the solar system—motions of the earth and moon; latitude, longitude, and time; planets, comets, and meteors; three lectures and one 2-hour laboratory or observation period each week. *No previous training in Physics or College Mathematics is required.*

ASTRONOMY 112. DESCRIPTIVE

ASTRONOMY Staff. 3

The Galactic System—the sun as a star; distances, motions, luminosities, types and classes of stars, and their spectra; extra-galactic systems, Cosmology. *No previous training in Physics or College Mathematics is required.*

In Swasey Observatory



ASTRONOMY 311-2. SPECIAL TOPICS IN ASTRONOMY Staff. 3 or 4
This course is to provide qualified students with the opportunity to pursue experimental and theoretical work in one or more of the areas of modern Astronomy. Prerequisite: Junior standing and consent.

ASTRONOMY 361-362. DIRECTED STUDY Staff. 3

ASTRONOMY 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

BIOLOGY

MR. TRUMAN, MR. ARCHIBALD (on leave second semester, 1966-67),
MR. NORRIS, MR. ALRUTZ (on leave 1966-67), MR. HAUBRICH, MR.
REBUCK, MR. MAIER, MR. THORNBOROUGH

CHAIRMAN (1966-69), MR. HAUBRICH

BIOLOGICAL RESERVE—MR. ALRUTZ, DIRECTOR; MR. WILLIAM
SLATER, CURATOR

THE BIOLOGY CURRICULUM includes prerequisite courses for professional training in Medicine, Dentistry, Medical Technology, Nursing, and Forestry. It supplies training for the teacher and the laboratory technician and provides a well-rounded basic preparation for graduate study and investigation in various areas of the field, as well as contributing to general cultural background.

Each student's sequence is arranged in consultation with the staff members with whom the student chooses to do his advanced work, or with the chairman of the department.

Major in Biology

A STUDENT MAJORING in Biology will elect a minimum of 32 semester-hours of credit in Biology, including 101 (General Biology), 102 (General Zoology), and 103 (General Botany) and 401-402 (Senior Seminar).

A student majoring in Biology for a B.A. degree will also elect one course from 120, 215, 216, 218, or 232; and one year of Chemistry (recommended), or Geology or Physics.

A student majoring in Biology for a B.S. degree will elect one course from each of the four groups: A—120, 215, 216, 218, and 232; B—213, 214, 222, 227, 240, and 326; C—225, 233, 234, 236, and 302; and D—201, 211, 223, and 224. His related subjects include two years of Chemistry, one year of Physics, one semester of Geology, and one year of French, German, or Russian at the intermediate level.

Prerequisites for all advanced work in the department and credited toward a major are 101 (General Biology), 102 (General Zoology), and 103 (General Botany), which comprise the basic program in General Biology, or their equivalent, unless waived by proficiency or advanced placement examination.

BIOLOGY 101. MOLECULAR BIOLOGY

Staff. 3

A basic course which aims to develop, through the application of the scientific method to the various problems and demonstrations presented, a working understanding of the important principles and ideas of Biology. The course is concerned with the physiology and behavior; reproduction and development; variation, ecology, and evolution of vertebrate animals. (Offered each semester.)

BIOLOGY 102. GENERAL ZOOLOGY

Staff. 3

The animal kingdom is studied with emphasis upon the organismic approach. Certain aspects of comparative physiology, phylogeny, and evolution are considered. Laboratory work includes dissections, demonstrations in the area of general physiology, and observations of living animals. (Offered each semester.)

BIOLOGY 103. GENERAL BOTANY

Mr. Rebuck. 3

The fundamental biological principles of metabolism, growth, and reproduction as expressed in the plant kingdom. Recognition of

*Dr. Haubrich
with anatomy
class*



major plant groups and field identification of common trees or spring flora according to the season. (Offered each semester.)

BIOLOGY 120. LOCAL FLORA Mr. Rebuck. 3
Taxonomic study of local flora including identification of spring flowering species, common trees in winter and summer conditions, and, through a consideration of vegetation associations, its position in the plant geography of the United States.

BIOLOGY 151. INVERTEBRATE ZOOLOGY 4
A study of the morphology, physiology, life histories, and classification of the invertebrate animals (Protozoa through Protochordates). (Not offered in 1966-67.)

BIOLOGY 201. ANATOMY AND PHYSIOLOGY Mr. Archibald. 4
A study of human anatomy and physiology, with laboratory based upon the consideration of a mammal, either cat or rat. Some aspects of comparative physiology, behavior, cell physiology, and physiology of activity are also briefly considered. Prerequisite: 101 or 102 or consent of instructor.

BIOLOGY 211. COMPARATIVE ANATOMY Mr. Haubrich. 4
A comparative study of the anatomy and physiology of chordate animals with a close scrutiny of function and its possible relevance as an indicator of selective forces applied in the evolution of structures. Laboratory work is chiefly detailed dissection and study of certain protochordates, the lamprey, the shark, *Necturus*, and the cat. Prerequisite: 102 or 150 or consent of instructor.

BIOLOGY 213. FIELD ZOOLOGY Mr. Alrutz. 3
The biology and identification of local organisms, emphasizing techniques of collection, preservation, preparation, and identification. (Offered first semester in 1966-67 and in alternate years.) Prerequisite: 102.

BIOLOGY 214. ECOLOGY Mr. Alrutz. 3, 4
An introduction to the principles of environmental Biology by lectures, field problems, and individual projects. Extensive use is made of the Denison University Biological Reserve. Students registering for 4 credits will do an intensive field problem. Prerequisite: 1 year of Biology or consent of instructor.

BIOLOGY 215. MICROBIOLOGY

Mr. Truman. 3

An introductory study of micro-organisms related to human welfare with laboratory emphasis on the bacteria including fundamental techniques of isolating, culturing, and staining. Two lectures, one scheduled 2-hour laboratory, and one unscheduled hour for reading results and recording data. Prerequisite: 101 or 103.

BIOLOGY 216. GENERAL BACTERIOLOGY

Mr. Truman. 4

An advanced course emphasizing the physiology of the bacteria, with laboratory techniques in identification, population control, enzymatic action, and serological relations. Two lectures and two 2-hour laboratories. Prerequisites: 215, or 103 with consent of instructor, and one year of Chemistry which may be taken concurrently.

BIOLOGY 218. PLANT MORPHOLOGY

Mr. Rebuck. 4

Comparative study of the structure and life cycles of representative species of major plant groups with consideration of theories of their evolutionary relationships. Prerequisite: 103.

BIOLOGY 222. PARASITOLOGY

Mr. Alrutz. 3

An introduction to the biology of animal parasitism with special consideration of those organisms affecting man. Lectures and associated visual aids emphasize the interrelatedness of human ecology and parasitic adaptations. Laboratory studies lead to an understanding of structure and facility in identification. Prerequisite: 1 year of Biology or consent of instructor.

BIOLOGY 223. HISTOLOGY

Mr. Norris. 4

The minute anatomy of vertebrates, chiefly mammals, including the making of microscopic preparations. Prerequisite: 102 or 150.

BIOLOGY 224. DEVELOPMENTAL ANATOMY (EMBRYOLOGY)

Mr. Archibald. 4

A course in which the lectures endeavor to present embryology as a single science in which the descriptive-morphological approach and the experimental-physiological and biochemical-genetical approaches are integrated, since all of these contribute to a more comprehensive understanding of the ontogenetic development of organisms. The laboratory work is based upon a study of the

comparative development of the vertebrate body as illustrated by the lower chordates, frog, chick, and pig, with some experimental work included. Prerequisite: 102 or 150 or consent of instructor.

BIOLOGY 225. GENETICS

Mr. Archibald. 3, 4

A basic course in the principles of heredity, dealing with classical, neo-classical, and modern aspects of the subject, and concerned with both human and non-human material, as well as the genetic basis of variation as it bears on evolutionary theory. Prerequisite: 101 or consent of instructor. (4-hours credit with lecture and laboratory; 3-hours credit with lecture only.)

BIOLOGY 227. ENTOMOLOGY

Mr. Alrutz. 3

Introductory study of insects, utilizing field and laboratory experiences. Prerequisite: 1 year of Biology or consent of instructor. (Offered first semester in 1967-68 and in alternate years.)

BIOLOGY 232. PLANT PHYSIOLOGY

Mr. Truman. 4

A lecture, laboratory, and greenhouse study of the functional relationships of the plant body in which absorption and transfer of materials, photosynthesis, respiration, and transpiration are treated with special attention to the problems of plant growth, development, and propagation. Prerequisites: 103 or 150 with consent of instructor.

BIOLOGY 233. GENERAL AND COMPARATIVE PHYSIOLOGY

Mr. Thornborough. 4

An integrated study of the principles of physiology with emphasis on the evolution of animal processes in relation to the environment. Prerequisite: 101, 102, or 150.

BIOLOGY 234. CELLULAR PHYSIOLOGY

4

Prerequisites: 1 year of Biology and 2 years of Chemistry. (Organic Chemistry and Calculus recommended.) (Not offered in 1966-67.)

BIOLOGY 236. RADIATION BIOLOGY

Mr. Norris. 4

A study of radiation, its interaction with matter, and its application to biological systems. Concepts relative to unstable nuclei, units of measurement, detectors, and statistics of counting will be applied to tracer work of plant and animal processes and metabolic pathways. Prerequisites: 102 or 150; one year of chemistry; and junior standing or consent of instructor.

Courses of Study

BIOLOGY 240. BEHAVIOR

Mr. Haubrich. 4

Analysis of individual behavior patterns and patterns of group behavior in organisms with consideration of relations between population size, behavior, and physiology of individuals. The possible significance of behavioral factors as selective forces is also considered along with certain aspects of behavioral evolution. Prerequisite: 102 or 150 or consent of instructor.

BIOLOGY 302. BIOCHEMISTRY

4

A study of the chemical and physio-chemical properties of living organisms. Concepts will be developed through a study of the physical and chemical properties of biological compounds and integration of various metabolic pathways in an attempt to understand the dynamics of living systems. The laboratory will include the isolation and study of properties of biological compounds. Prerequisites: 101 and Chemistry 235 and 237 or 239. (Same as Chemistry 302.)

BIOLOGY 326. EVOLUTION AND BIOLOGICAL THEORY

Mr. Archibald. 3

A course dealing with the relations of living organisms, the probable origin of life and of existing species, and theories and ideas of organic evolution as they have progressed during the development of the science of Biology. Prerequisites: 2 semesters of introductory Biology, 225, and junior/senior standing or consent.

BIOLOGY 361-362. DIRECTED STUDY

Staff. 3

Opportunities for the qualified student to extend his interest beyond the limits of course offerings.

BIOLOGY 401-402. SEMINAR

Staff. 1

A consideration of the history of Biology and contemporary research. *Required of all majors.*

BIOLOGY 461-462. SENIOR RESEARCH

Staff. 3

(Does not count toward meeting minimal departmental requirement.)

TEACHING OF SCIENCE (See EDUCATION 311.)



*Dr. Hoffman sets up
experiment*

CHEMISTRY

MR. SPESSARD, MR. COLLINS,
MR. JOHN B. BROWN (on leave
1966-67), MR. W. A. HOFFMAN,
MR. GILBERT, MR. OWEN, MR.
OETGEN

CHAIRMAN (1964-67), MR.
HOFFMAN

SENIOR FELLOW, MR. NED MAR-
TIN

JUNIOR FELLOW, MISS GAYLE
SCHNEIDER

THE CHEMISTRY DEPARTMENT is among those on the list of colleges approved by the Committee on Professional Training of the American Chemical Society to offer a Certificate of Professional Training in Chemistry to the student who satisfies certain minimal requirements.

COURSES IN CHEMISTRY provide a general cultural background: preparation for entering chemical industry or for graduate study in pure Chemistry or chemical engineering; and basic preparation for professional work in the fields of Medicine, Dentistry, Medical Technology, Geology, Physics, and Engineering.

A student who plans to teach Chemistry in a secondary school is advised to consult with the chairman early in the freshman year regarding various possible combinations of Chemistry courses to meet teaching certificate requirements.

A deposit each semester for breakage and nonreturnable supplies is required for each laboratory course.

Approved safety glasses are required in all laboratories.

Major in Chemistry

THE DEPARTMENT PROVIDES two curricula leading to the bachelor's degree: A Bachelor of Science program for the student wishing an intensive study of Chemistry and related sciences in preparation



New Chemistry Center

for a professional career or graduate work, and a Bachelor of Arts program for the student interested in Medicine, secondary school teaching, or other fields requiring a good background in Chemistry. The B.A. degree does not preclude a professional scientific career, although an additional year of undergraduate study may be required for graduate degrees.

A student may graduate with a B.A. degree on fulfillment of general graduation requirements and completion of the following courses: 105, 116, 209, 234-235, 236-237, 341-342, 352; Physics 121-122 or 221-222; Mathematics 121-122 and 221 or 211-212. A student electing to receive the B.S. degree must also complete 317, 331, and 344 or 353. A major who elects German for the language requirement and takes certain advanced courses will be certified to the American Chemical Society.

CHEMISTRY 105. (I) INTRODUCTION TO CHEMICAL PRINCIPLES

Staff. 4

A study of the basic principles underlying the science of Chemistry: Atomic and molecular structure, periodicity of chemical properties, states of matter, and selected examples of chemical reactions. Three class periods and one laboratory period a week.

CHEMISTRY 106. CHEMISTRY IN MODERN LIFE Mr. Collins. 4

A terminal semester of general Chemistry presenting a well-rounded view of the field of Chemistry and its application to modern life. Three class periods and one laboratory period a week. Prerequisite: 105.

CHEMISTRY 116. (II) INTRODUCTION TO INORGANIC CHEMISTRY

Staff. 4

A study of inorganic reaction Chemistry with emphasis on correlation of this material with generalizations, periodic relationships,

and theory. Laboratory work includes synthetic inorganic Chemistry and methods of separation of ions in aqueous solution. Three class periods and two laboratory periods a week. Prerequisite: 105.

CHEMISTRY 209. (III) INTRODUCTION TO QUANTITATIVE TECHNIQUES Mr. Hoffman. 4

A consideration of the equilibrium situation represented by ionic reactions in aqueous solution. Treatment includes precipitation, neutralization, oxidation-reduction, and complex ion reactions. Laboratory work emphasizes simple techniques of quantitative measurement applied to the determination of percentage composition, equilibrium constants, and to reliability of data. Three lectures and one laboratory period a week. Prerequisite: 116; concurrent registration in Mathematics 121.

CHEMISTRY 234-235. (IV AND V) ORGANIC CHEMISTRY

Mr. Spessard. 3

The Chemistry of aliphatic, aromatic, and heterocyclic compounds of carbon. Three lectures a week. Registration *must* be accompanied by a concurrent laboratory course, 236-237 or 238-239. Prerequisite: 209.

CHEMISTRY 236-237. ORGANIC CHEMISTRY LABORATORY

Mr. Spessard. 2

Techniques of organic laboratory practice, preparation of typical organic compounds to illustrate the reactions discussed in 234-235, and an introduction to qualitative organic analysis. Two laboratory periods a week, to be taken concurrently with 234-235 by all students intending to major in Chemistry.

CHEMISTRY 238-239. ORGANIC CHEMISTRY LABORATORY

Mr. Spessard. 1

Laboratory work in organic Chemistry similar to that in 236-237. One laboratory period a week, to be taken concurrently with 234-235 by a student *not* planning to major in Chemistry.

CHEMISTRY 302. BIOCHEMISTRY

4

A study of the chemical and physio-chemical properties of living organisms. Concepts will be developed through a study of the physical and chemical properties of biological compounds and

integration of various metabolic pathways in an attempt to understand the dynamics of living systems. The laboratory will include the isolation and study of properties of biological compounds. Prerequisites: 235 and 237 or 239 and Biology 101. (Same as Biology 302.)

CHEMISTRY 317. INTERMEDIATE INORGANIC CHEMISTRY

Mr. Gilbert. 4

A study of bonding, structure, and reactivity in inorganic compounds. Three lectures a week. Prerequisites: 235 and 342 or taken concurrently.

CHEMISTRY 331. ANALYTICAL CHEMISTRY

Mr. Hoffman. 4

A discussion of the theoretical background of selected topics in the areas of absorption spectroscopy, electrochemistry, and phase change or partition processes. Three lectures a week. Prerequisite: 342 or taken concurrently.

CHEMISTRY 341-342. PHYSICAL CHEMISTRY

Mr. Owen. 3

A study of the description of and prediction of the characteristics of chemical systems and their interactions with respect to transfer of mass and energy. Laboratory course 344 should be taken concurrently with 342. Three class periods a week. Prerequisites: 209; Physics 222 or 122, and The Calculus. A non-major is accepted on recommendation of his adviser.

CHEMISTRY 344. PHYSICAL CHEMISTRY LABORATORY

Mr. Owen. 2

Quantitative measurements on physical-chemical systems. Experiments are selected to illustrate the theories discussed in 341-342. Two laboratory periods a week; to be taken concurrently with 342.

CHEMISTRY 352-353. ADVANCED LABORATORY

Staff. 2, 3

A combination of discussion and laboratory periods to familiarize the student with the practice and theory of selected instruments

and techniques now widely applied to chemical investigations. Laboratories will be on a project basis. Two laboratories and one discussion period a week. Prerequisite: 235, 237, or consent of instructor.

CHEMISTRY 361-362. DIRECTED STUDY Staff. 3
Offered to juniors and seniors. Prerequisite: 235 or 342 or consent of instructor.

CHEMISTRY 415. QUALITATIVE ORGANIC ANALYSIS 3
(Not offered in 1966-67.)

CHEMISTRY 421. INTERMEDIATE ORGANIC CHEMISTRY Mr. Spessard. 3
A study of certain theoretical aspects of organic Chemistry and specially selected topics dealing with some of the more complex compounds of the aliphatic, aromatic, and heterocyclic series, including compounds of biological significance. Three lectures a week. Prerequisites: 235, 237.

CHEMISTRY 441. INTERMEDIATE PHYSICAL CHEMISTRY Mr. Owen. 3
A selection of topics from the areas of crystal structure emission spectroscopy, atomic and molecular structure, wave mechanics, statistical mechanics, and colloid chemistry. Normally meets for three class periods a week, but selected experimental projects may be substituted for equivalent class hours. Prerequisite: 342.

CHEMISTRY 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3
Research for qualified seniors under faculty supervision. A thesis is required.

TEACHING OF SCIENCE (See EDUCATION 311.)

Dr. L. R. Dean



CLASSICAL LANGUAGES

MR. L. R. DEAN (PART-TIME),
MR. EISENREIS (on leave 1966-67)

CHAIRMAN, MR. L. R. DEAN

Courses in Classical Civilization

These courses do not require the use or study of Greek or Latin languages. A student desiring any course should consult the chairman.

GREEK 101. GREEK CIVILIZATION 2

Topical study of the chief aspects of ancient Greek life and thought. May be included in a History major. (Not offered in 1966-67.)

LATIN 104. ROMAN CIVILIZATION 2

Structure of Roman customs and institutions as a legacy to the modern world. (Not offered in 1966-67.)

GREEK 201. GREEK DRAMA 2

Fifteen tragedies and comedies are read and discussed. Alternates with 203. (Not offered in 1966-67.)

GREEK 203. GREEK LITERATURE IN ENGLISH 2

Cross-section of the varied forms of literary expression, exclusive of drama. Alternates with 201. (Offered in 1966-67.)

GREEK 204. MYTHOLOGY-RELIGION 2

A survey of the principal myths and a study of their use in European and American literature and art. (Not offered in 1966-67.)

LATIN 206. LATIN LITERATURE IN ENGLISH 2

Selections from the leading writers. Alternates with Greek 204. (Offered in 1966-67.)

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Courses in Language

Any of the following courses will be given if demand warrants.

GREEK 111-112. BEGINNING GREEK 3
Forms, grammar, and elementary reading. Open to students of all classes.

GREEK 211-212. GREEK NEW TESTAMENT 2
One of the Gospels (first semester); one of Paul's Epistles (second semester). Prerequisite: 111-112.

LATIN 111. SELECTIONS FROM CICERO 3
Prerequisite: Two or three years of high school Latin. (Offered on demand.)

LATIN 112. VIRGIL 3
Selections from the first six books of the *Aeneid*. Prerequisite: Three years of high school Latin. (Offered on demand.)

LATIN 211-212. SELECTIONS FROM LATIN LITERATURE 3
Principally comedies, lyric, elegiac, and satiric poetry. Prerequisite: Four years of high school Latin. (Offered in 1966-67.)

LATIN 311. CICERO ESSAYS 3
Sight reading. Prerequisite: 211-212 (Offered in 1966-67.)

LATIN 312. PLINY AND TACITUS 3
Letters and essays. Prerequisite: 211. (Offered in 1966-67.)

LATIN 411-412. VIRGIL 3
A study of all the poems of Virgil. (Not offered in 1966-67.)

TEACHING OF LATIN (See EDUCATION 333.)

DANCE

MRS. NORTROP (on leave first semester, 1966-67), MR. KIMBLE (PART-TIME)

CHAIRMAN (1966-69), MRS. NORTROP

SENIOR FELLOW, MISS JUDY REIBER



A scene from the Spring Dance Concert

THE DANCE CURRICULUM, which has been incorporated into the Fine Arts Program this year, is designed to prepare students for advanced study and/or the teaching of Dance in educational or community institutions. It also provides an atmosphere conducive to the cultivation and maturation of the artist's own creative and aesthetic talents. To achieve these goals, combined major programs are offered in *Theatre Arts and Dance* and *Physical Education and Dance*.

As with the other Arts, Dance has the secondary purposes of providing (1) a cultural stimulus to the entire University and (2) the opportunity for participation in creative endeavors without necessarily electing a major in the field.

Major in Theatre Arts (Emphasis in Dance)

A COMBINED MAJOR in Theatre Arts and Dance, with an emphasis on Dance, may be earned. It involves carrying Dance 104, 120, 305, 306, 361-362, and 423; Theatre Arts 111-112, 215-216, 224, 227, and 323-324. This major prepares the student for advanced study and for teaching the related arts in recreational agencies or in a college.

Major in Physical Education (Emphasis in Dance)

A COMBINED MAJOR in Physical Education and Dance, with an emphasis on Dance, may be earned. This course structure is designed to provide emphasis in the special area of Dance for the student who wishes preparation for teaching and leadership in college, private or public school, or community agencies. Required courses are Dance 104, 120, 305, 306, 361-362, and 423; Biology 101, 103 or 213, and 201; Psychology 101; Education 352; Physical Education 319, 320, 443, and 463. If the student wishes State Certification for public school teaching, further required courses

including Physical Education 248 and Education 213, 217, 415, 416, 420, and 445, must be added.

The student should also take four hours of dance technique in graded progressive sequences and possibly six hours of Honors work involving Advanced Composition, Production, and Methods of Teaching.

DANCE 104. DANCE CLUB

1/2-2

The concert performing group. Prerequisites: 1 year of apprenticeship and membership by election.

DANCE 120. BEGINNING, INTERMEDIATE, AND ADVANCED SECTIONS

Staff. 1-4

Technique in graded progressive sequence in Modern Dance and/or Ballet.

DANCE 305. BEGINNING COMPOSITION FOR DANCE

Mrs. Northrop. 2

An introductory course in the rhythmic structure of dance including problems in line, contour, dynamics; space design and composition for groups; pre-classic dance forms, the use of accompaniment. Experience in analysis and critique of original compositions. The final examination includes organization for and participation in a workshop presentation.

DANCE 306. INTERMEDIATE COMPOSITION FOR DANCE

Mrs. Northrop. 2

Problems in solo and group choreography, designed and directed by class members. Prerequisite: 305.

DANCE 361-362. DIRECTED STUDY

Staff. 3

Special problems in composition; theory; teaching of Dance on various levels.

DANCE 423. DANCE AS AN ART FORM

Mrs. Northrop. 3

Historical and philosophical concepts. Theory, practice, and materials of teaching.

DANCE 461-462. INDIVIDUAL WORK FOR HONORS

Staff. 3

Courses of Study

ECONOMICS

MR. W. L. HENDERSON, MR. FLETCHER, MR. WESTBROOK, MR. CHAO, MR. EMOND, MR. CHUNG, MR. PEASE (on leave first semester, 1966-67), MR. HUFF (second semester), MR. R. W. BROWN, MR. PAUSCH (PART-TIME)

CHAIRMAN (1966-69), MR. HENDERSON

SENIOR FELLOWS (ECONOMICS), MR. BRIAN ALLEN, MR. RICHARD BAUERNSCHMIDT, MR. DAVID DABERKO, MR. JESSE ELLIOTT, MR. WILLIAM MADDEN

SENIOR FELLOWS (ACCOUNTING), MISS BARBARA SMITH, MR. DAVID L. SMITH

Major in Economics

THE COURSES OFFERED by the Department of Economics deal with fundamental problems involved in the social process of utilizing scarce resources to satisfy human wants. The primary goals of this department are threefold:

First, to promote an understanding of basic economic aspects of society and to provide a base for intelligent and effective par-

Dr. Henderson conducts Public Finance seminar



ticipation in modern society. Whatever one's interests or career plans, intellectual curiosity about the functioning of the economy and a willingness to engage in analysis are prime requisites for success.

Second, the department provides essential background in Economics and selected business areas for students considering careers in business and government and for graduate study leading to careers in business and business economics, government and international affairs, high school and college teaching, industrial relations, journalism, and law.

Third, the department attempts to furnish a basic foundation in Economics for students planning to pursue graduate studies in Economics.

Departmental Requirements

WHILE THE DEPARTMENT will advise each student on the composition of his program in consideration of his personal objectives, all Economics majors are required to take Economics 211-212. Majors must have a minimum of 24 credit hours in the department, including 211-212.

The student will find it desirable to take 211-212 in his first two years. Students who have had an introduction to Economics in their secondary education should arrange with the department to take proficiency examination in either 211 or 212 or both. Those who are successful will be given credit according to the practice of the University.

Recognizing a rapidly growing need to foster skills in quantitative analysis and attempting to provide the necessary background for rigorous investigation of the available wealth of business and economic data, the department requires all majors to take at least Mathematics 101, 102, and 103. Students are encouraged to enroll in these courses as early as possible, preferably in their freshman and sophomore years, in order to apply their Mathematics to advanced Economics courses. Students who have strong interest in both Mathematics and Economics-Business are encouraged to substitute for the above sequence Mathematics 121-122, 221-222, 307-308.

In recent years increasing numbers of graduates planning careers in Business continue their formal education in graduate

Courses of Study

schools of business. A student pursuing this objective may major in any one of a large number of fields with Economics as one possibility. However, the student planning to attend a graduate school of business is advised to take 211-212, 223-224, and, if possible, 313 and 323, as well as the minimum requirement of Mathematics 101, 102, and 103.

ECONOMICS 211-212. PRINCIPLES AND PROBLEMS Staff. 3

This course, primarily designed for Social Science majors, presents an analysis of the private enterprise system and provides fundamental economic principles and working tools prerequisite for economic analysis.

ECONOMICS 223-224. ACCOUNTING SURVEY Mr. Pausch. 3

A survey designed specifically for liberal arts students interested in Business, Economics, Law, and Government. Introduction to the principles of financial statements, costs and revenues, cost accounting, consolidated statements, and analysis of financial statements.

ECONOMICS 302. HISTORY OF ECONOMIC THOUGHT

Mr. Westbrook. 3

The development of significant economic doctrines, their content and methodology, their application and influence, and their relation to the main stream of current economic thought. Prerequisites: 211-212 and consent of instructor.

ECONOMICS 310. PUBLIC FINANCE

Mr. Henderson. 3

Public revenues, expenditures, debt, and financial administration, with emphasis on theory and practice of taxation and problems of fiscal policy. Prerequisite: 211-212 or consent of instructor.

ECONOMICS 312. COMPARATIVE ECONOMIC SYSTEMS

Mr. Emond. 3

A study of alternate economic systems as conceived by theoreticians and a comparative study of economic systems as they exist in reality. The course emphasizes the development and current performance of the economic systems of the United States, England, and the Soviet Union. Prerequisites: 211-212 and consent of instructor.

**ECONOMICS 313. INDUSTRIAL ORGANIZATION AND THE PUBLIC
CONTROL OF BUSINESS** Mr. Fletcher. 3

An evaluation of governmental policies to encourage or restrain competition in view of (1) the general problem of economic power in a capitalistic society, and (2) the modern industrial structure and the types of business behavior and performance which it implies. Prerequisites: 211-212 and consent of instructor.

ECONOMICS 315. MONEY AND BANKING Mr. Chao. 3

Principles of money, credit, and banking, including a study of the influence of money on levels of national income, prices, and employment. Development of modern monetary and banking practices and policies. Prerequisite: 211-212.

ECONOMICS 317. LABOR ECONOMICS Mr. Westbrook. 4

The Economics of the labor market, the assumptions upon which divergent theories about—and policies in regard to—the labor market rest, and an analysis of significant empirical studies. The union movement is viewed as an outgrowth of the problems the worker faces from the supply side of the market. Schemes for minimizing economic insecurity are also analyzed. Prerequisite: 211-212.

ECONOMICS 321. MACRO ECONOMIC ANALYSIS Mr. Emond. 4

An examination of the determinants of national income, employment, and the price level in the economics system, including analysis of consumption and saving, private investment, government fiscal policy, business fluctuations, and the interactions between money and national income. Prerequisite: 211-212.

ECONOMICS 322. MICRO ECONOMIC ANALYSIS

Mr. Fletcher, Mr. Chung. 3

An examination of the basic assumptions and methods of analysis employed in micro economic theory, including demand analysis, production and cost relationships, market structures, distribution theory, general equilibrium, and welfare economics. Special emphasis is given to showing how theoretical analysis is applied to business problems through the use of calculus and statistics. Prerequisites: 211-212, Mathematics 101 or equivalent.

ECONOMICS 323. MANAGERIAL ECONOMICS 3

Theoretical analysis of management decision making with emphasis

on production and profit problems for the firm. Prerequisite: 211-212.

ECONOMICS 332. CONSUMER ECONOMICS AND FINANCE

Mr. Emond. 4

An analysis and evaluation of the consumer's role in the domestic economy, with consideration of the forces affecting consumer demand and the ways in which consumers can function more effectively as individuals and in groups. The course includes a special emphasis on investment media and alternatives open to the consumer. Open to juniors and seniors. *Course credit may not be counted toward the major in Economics.*

ECONOMICS 361-362. DIRECTED STUDY

Staff. 3

ECONOMICS 381. INTERNATIONAL ECONOMICS

Mr. Chung. 3

The theory of international trade and the effects of trade on economic efficiency. Balance of payments disequilibria and the mechanisms and policies of adjustment procedures. Relationships between domestic income and trade. Regional economic integration. Prerequisite: 211-212.

ECONOMICS 382. ECONOMIC DEVELOPMENT

3

A survey of the structure and problems of the underdeveloped economies, with particular emphasis on the major determinants of economic growth. Prerequisite: 211-212.

ECONOMICS 449-450.

Staff. 3

Seminars open to advanced students with the consent of the instructor. These courses will involve the preparation of a research paper and be offered as registration warrants, in the following fields:

- a. Econometrics.
- b. Financial Analysis of the Firm.
- c. Modern Economic Analysis.
- d. Economic Research.
- e. Other. (Advanced material in all of the areas of specialization offered by the department.)

ECONOMICS 461-462. INDIVIDUAL WORK FOR HONORS

Staff. 3

TEACHING OF SOCIAL STUDIES (See EDUCATION 320.)

EDUCATION

MR. GALLANT, MR. R. T. SMITH, AND OTHERS

CHAIRMAN (1965-67), MR. GALLANT

Teacher Preparation

DENISON UNIVERSITY is accredited by the State Department of Education in Ohio in the teacher-preparation field of secondary education, including junior and senior high schools. *A Special Certificate in Music* (See MUSIC CURRICULUM) may be obtained on completion of the required courses of this curriculum.

A student registering for courses in Education may be expected to demonstrate at least mean performance on a nationally standardized achievement test, demonstrate competence in oral and written English, and in handwriting and vocabulary. The student may be required to submit to a speech test given by the Department of Speech and, if found deficient, must register for appropriate courses.

A student expecting to become a teacher or a coach of athletics should confer with the members of the Department of Education as early as possible on planning an effective four-year schedule.

A student who takes student-teaching must meet the requirements for teacher certificates in the State of Ohio. A student who plans to meet the certification requirements of other states should confer with the members of the Department of Education as early as possible in order to elect the proper courses.

Student-teaching assignments are made in the various schools in Granville, Heath, Newark, and Licking County. These assignments are made by the Department of Education but *responsibility for transportation to the school rests with the student.*

Certification for Teaching in Secondary Schools

REQUIREMENTS FOR CERTIFICATION to teach in the secondary schools (grades 7-12) of Ohio, and in most other states, may be met by completing course work in the following three categories:



Dr. Gallant (right) and Mr. Smith chat with students informally

Professional education (18 semester hours): Education 217, 213, 420, a course in methods of teaching (either in the major teaching field or Education 326), and student teaching (Education 415-416).

General education (30 semester hours): The student who meets Denison's general education program will automatically fulfill the state requirement.

Teaching fields: The semester hours required varies for different teaching fields. This information may be obtained at the Department of Education office. Certification in at least two teaching fields is desirable to facilitate placement. One of these will usually be the field in which the student is majoring.

A student interested in teaching should consult with a member of the Department of Education as early as possible. Early planning will help him to meet the requirements for certification in any state in which he may wish to teach.

Departmental Major and Degree

A STUDENT PREPARING for teacher certification may qualify for any of the degrees described in PLAN OF STUDY. However, rather than qualify for the Bachelor of Science in Education degree by major-

ing in Education, students normally are advised to major in some other department and devote the additional semester hours to the strengthening of their teaching fields.

EDUCATION 213. SECONDARY SCHOOL CURRICULUM

Mr. Gallant. 3

A general orientation in the field of the secondary school curriculum to aid the student in the understanding of factors influencing the curriculum and of the environment in which he will teach.

EDUCATION 215. HISTORY OF EDUCATION

3

This course places some emphasis upon education in the United States.

EDUCATION 217. CHILD AND ADOLESCENT DEVELOPMENT

Mr. Morris. 3

Psychological development especially during early periods of growth. (Listed also as PSYCHOLOGY 217.) Prerequisite: General Psychology.

EDUCATION 311. TEACHING OF SCIENCE

Mr. Truman. 3

Prerequisite: 217.

EDUCATION 315. METHODS OF MUSIC FOR
ELEMENTARY SCHOOLS

Mr. Hunter. 3

The psychology and problems of teaching public school music applied to present day practices. Alternates with 316. Prerequisite: 217. (Offered in 1966-67 and in alternate years.)

EDUCATION 316. METHODS OF TEACHING MUSIC IN
HIGH SCHOOL

Mr. Hunter. 3

Alternates with 315. Prerequisite: 217. (Offered in 1966-67 and in alternate years.)

EDUCATION 318. EDUCATIONAL SOCIOLOGY

Mr. Valdes. 2

(Listed as SOCIOLOGY 318.) Prerequisite: 217 or Sociology 207 or its equivalent.

EDUCATION 320. TEACHING OF SOCIAL STUDIES

Mr. Gallant. 3

Prerequisite: 217. (Offered first semester each year.)

Courses of Study

EDUCATION 325. EVALUATION OF TEACHING 3

Construction and use of tests; selection of standard tests; and interpretation of test results.

EDUCATION 326. GENERAL AND SPECIAL METHODS OF TEACHING
IN HIGH SCHOOL 3

Prerequisite: 217.

EDUCATION 331. TEACHING OF ENGLISH Miss Lewis. 3

Prerequisite: 217.

EDUCATION 333. TEACHING OF LATIN Mr. L. R. Dean. 2-3

Prerequisite: 217. (Offered only on demand.)

EDUCATION 335. TEACHING OF MATHEMATICS 3

Prerequisites: 217 and Mathematics 122. (Offered in 1967-68 and in alternate years.)

EDUCATION 339. TEACHING OF SPEECH Mr. Hall. 3

History of rhetorical thought, psychology of language, phonetics, the shaping of speech curriculum. Prerequisite: 217.

EDUCATION 341. TEACHING OF PUBLIC SCHOOL ART 3

Prerequisite: 217. (Offered second semester in 1967-68 and in alternate years.)

EDUCATION 343. TEACHING OF MODERN LANGUAGES

Mr. F. L. Preston. 3

Prerequisite: 217. (Offered in 1966-67 and in alternate years.)

EDUCATION 345-346. SPECIAL PROBLEMS Staff. 2-4

Independent work on selected topics under the guidance of staff members. Prerequisite: Consent of chairman.

EDUCATION 352. PHYSICAL EDUCATION FOR ELEMENTARY

AND HIGH SCHOOL PROGRAMS Miss VanHorn, Mr. Seils. 4

Principles, curriculum, methods and materials, tests and measurements for the elementary and secondary school programs. Prerequisite: 217. (Offered in 1966-67 and in alternate years.)

EDUCATION 415. STUDENT TEACHING IN THE MAJOR FIELD

Director and Staff. 3

Eligibility: (1) cumulative grade-point average of 2.5, (2) grade-point average of 3.0 in major teaching field, (3) recommendation of the department representing the student's major teaching field. Exceptions to the foregoing requirements will be made only by the Teacher Education Committee. This committee will also grant final approval for admission to the student teaching program, subject only to the student's acceptance by the officials of the school in which the student teaching is to take place.

EDUCATION 416. STUDENT TEACHING IN A MINOR FIELD

Eligibility: Same as EDUCATION 415.

Note: Education 415 and 416 are offered both semesters. The student needs to take both courses, either concurrently or in consecutive semesters. However, a student should not take more than 15 semester-hours *including student teaching* during the first semester he seeks experience in this area. The 15 semester-hour maximum does not apply to the second semester of student teaching. *The student will have a conference each Thursday at 4 p.m., during the first semester he takes student teaching.*

EDUCATION 420. PHILOSOPHY OF EDUCATION

Mr. Santoni. 3

An inquiry into the philosophical issues associated with education including such problems as The School in Relation to Society and The Aims and Values of Education. The educational philosophies of pragmatism, realism, idealism, and existentialism are critically evaluated. (Listed also as PHILOSOPHY 420.)

EDUCATION 445. SCHOOL HEALTH EDUCATION

Mr. Seils. 3

Principles, organization and administration, methods, materials, techniques as well as tests and measurements in school health education. Prerequisite: 217. (Offered in 1966-67 and in alternate years.)

EDUCATION 461-462. INDIVIDUAL WORK FOR HONORS

Staff. 3



Beck Lecturer Jon Silkin leads discussion of Yeats' "Vision"

ENGLISH

MR. DOWNS, MR. BENNETT, MISS LEWIS (on leave second semester, 1966-67), MR. MARSHALL (on leave first semester, 1966-67), MR. M. E. BROWN, MR. CONSOLO, MR. KRAUS, MR. KRAFT, MR. MILLER, MR. BURKETT, MR. STONEBURNER, MR. NICHOLS

CHAIRMAN (1965-68), MR. MARSHALL

ACTING CHAIRMAN (first semester), MISS LEWIS

ADDED TO THE DEPARTMENTAL staff for varying periods of residence each year will be established writers, who will hold the endowed Harriet Ewens Beck lectureship in English. Beck writers who have been in residence are Miss Eudora Welty, Mr. Jon Silkin, Mr. William Stafford, and Mr. Granville Hicks.

Major in English

GENERAL REQUIREMENTS. A student majoring in English must elect a minimum of 29 semester-hours of credit in English, including 430, and must complete the equivalent of 212 in a modern foreign language.

A student who expects to have English as a field for teaching in secondary schools should include in his courses for certification:



From left: Dr. Marshall, Dr. Kraft, Dr. Miller, Dr. Downs, Dr. Consolo, Dr. Lewis, Mr. Burkett

230, 237, 346, and 210 or its equivalent in advanced elective courses in English Literature.

SPECIAL REQUIREMENTS. For a *Major in Literature* add 215 to the General Requirements above. For a *Major in Writing* a minimum of 12 semester-hours of composition must be added to the General Requirements. Included must be 407-408 or 361-362 or 461-462.

ENGLISH 101. INTRODUCTION TO COMPOSITION AND LITERATURE Staff. 3

This course offers practice in writing, mainly expository; training in the organization of ideas and in methods of research; and experience in analytical reading of major types of literature. (To be taken in the freshman year, either semester.)

ENGLISH 210. MAJOR ENGLISH WRITERS Staff. 4
Selected works by eight to twelve English writers, including Chaucer, Donne or Milton, Pope or Swift, Wordsworth or Keats, Tennyson or Browning, and a novelist.

ENGLISH 215. SHAKESPEARE 3
A study of the principal plays. *Required of English majors.* (Offered each semester.)

ENGLISH 217. NEWSWRITING AND EDITING Mr. Bennett. 2
Extensive practice in newswriting and analysis of newspaper techniques. (May be taken for academic credit twice for a maximum of four hours but *does not count toward the Literature requirement.*)

Courses of Study

- ENGLISH 218. THE BIBLE AS LITERATURE Mr. Downs. 3
- ENGLISH 219. 20TH CENTURY BRITISH AND AMERICAN POETRY
Staff. 3
Hardy, Yeats, Eliot, Stevens, and other 20th Century poets.
- ENGLISH 220. 20TH CENTURY BRITISH AND AMERICAN FICTION
Staff. 3
Selected works by Conrad, Joyce, Lawrence, Hemingway, Faulkner,
and several other 20th Century writers of fiction.
- ENGLISH 230. AMERICAN LITERATURE Staff. 4
Selected works by writers of the 19th Century, including Poe,
Emerson, Thoreau, Hawthorne, Melville, Whitman, Twain, James,
and Crane.
- ENGLISH 237. ADVANCED COMPOSITION Staff. 3
Theory and practice in writing expository and narrative prose and
lyric poetry.
- ENGLISH 257. NARRATIVE WRITING Mr. Bennett. 3
(Offered second semester in 1966-67.)
- ENGLISH 267. ESSAY AND ARTICLE WRITING Mr. Bennett. 3
(Offered first semester in 1966-67.)
- ENGLISH 277. POETRY WRITING Mr. Miller. 3
(Offered first semester in 1967-68.)
- ENGLISH 310. STUDIES IN LITERATURE Staff. 3
An intensive study of selected writers or works. May be taken more
than once for credit.
- ENGLISH 323. MILTON AND THE 17TH CENTURY Miss Lewis. 3
A study of Milton's *Paradise Lost* and selected shorter poems with
some consideration of the 17th Century literary background.

ENGLISH 324. THE ROMANTIC MOVEMENT IN ENGLAND

Mr. Marshall. 3

A study of the works of Wordsworth, Coleridge, Byron, Shelley, and Keats.

ENGLISH 329. THE ELIZABETHAN DRAMA

3

A study of the drama in England from 1580 to 1642 (exclusive of Shakespeare), with emphasis upon the works of Marlowe and Jonson.

ENGLISH 330. THE MODERN DRAMA

Mr. Marshall. 3

A study of drama from Ibsen to the present, with emphasis upon the works of British and American playwrights.

ENGLISH 331. NON-DRAMATIC LITERATURE OF THE
RENAISSANCE

Mr. Brown. 3

Emphasis on the Elizabethan sonnet and romance, including poems by Marlowe, Sidney, Spenser, and Shakespeare and prose by such writers as Ascham, Hoby, Lyly, and Sidney.

ENGLISH 332. CHAUCER AND MIDDLE ENGLISH LITERATURE

Mr. Brown. 3

The central concerns of the course, *Troilus and Criseyde* and *The Canterbury Tales*, are considered in relation to other literature in the period.

ENGLISH 335. VICTORIAN PROSE AND POETRY

3

A study of Tennyson, Browning, Arnold, and two or three of this group: the Rossettis, Morris, Meredith, Swinburne, Carlyle, Ruskin, Mill, and Newman.

ENGLISH 339. THE AGE OF WIT AND SATIRE

Mr. Burkett. 3

The poetry, prose, and drama of the Restoration and 18th Century. Emphasis on Dryden, Swift, and Pope.

ENGLISH 341. THE ENGLISH NOVEL

Mr. Kraft, Mr. Marshall. 3

The development of the novel during the 18th and 19th centuries.

Course of Study

ENGLISH 342. STUDIES IN THE MODERN NOVEL Mr. Consolo. 3
Selected works by recent writers of fiction, such as Graham Greene, Anthony Powell, C. P. Snow, William Styron, Saul Bellow, and John Hawkes.

ENGLISH 343-344. READINGS IN EUROPEAN LITERATURE Mr. Downs. 3
A study in comparative literature of selected complete major works in translation from Homer's *Iliad* to Silone and Sartre.

ENGLISH 346. THE ENGLISH LANGUAGE Mr. Burkett. 3
A study of the language and its development.

ENGLISH 350. CONTEMPORARY LITERATURE Mr. Downs. 2-3
A seminar in 20th Century American, English, and (in translation) European Literature. Additional outside reading for three credits. (Offered first semester in 1967-68.)

ENGLISH 361-362. DIRECTED STUDY Staff. 3

ENGLISH 373. THE AMERICAN LITERARY RENAISSANCE Mr. Consolo. 3
A seminar dealing with authors to be chosen from Poe, Emerson, Thoreau, Hawthorne, Melville, and Whitman.

ENGLISH 375. AMERICAN REALISM AND NATURALISM Mr. Kraft. 3
A seminar dealing with the rise, development, and influence of realism and naturalism in the works of such writers as Howells, James, Norris, Crane, Dreiser, and Faulkner.

ENGLISH 407-408. SEMINAR IN WRITING Mr. Bennett. 3

ENGLISH 410. LITERARY CRITICISM Mr. Brown. 3
The theory of literature, its criticism and scholarship, studied in relation to widely known poems, plays, and novels. (Offered second semester in 1966-67.)

ENGLISH 415. SHAKESPEARE STUDIES Miss Lewis. 3
A seminar for juniors and seniors, dealing intensively with selected Shakespearean plays and focusing on certain aspects of the dramatist's work. Prerequisite: 215.

ENGLISH 430. PROBLEMS IN LITERATURE Mr. Downs,
Miss Lewis, Mr. Kraft. 4
An intensive course which concentrates on representative literary types selected from the major periods of English Literature. Entails independent research. *Required of all senior English majors.* (Offered first semester.)

ENGLISH 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

TEACHING OF ENGLISH (See EDUCATION 331.)

GEOLOGY AND GEOGRAPHY

MR. MAHARD, MR. GRAHAM (on leave second semester, 1966-67),
MR. BORK

CHAIRMAN (1964-67), MR. GRAHAM

ACTING CHAIRMAN (second semester), MR. MAHARD

THE GEOLOGY AND GEOGRAPHY CURRICULUM is designed to provide courses for the student interested in becoming acquainted with



*Dr. Graham
in geology
laboratory*

the earth as a planet, the earth's oceans and atmosphere, and the solid earth. These subjects are covered in Earth Science I (Physical Geology) and Earth Science II (Physical Geography). Either one of these courses may be used to fulfill one of the three basic science requirements.

The curriculum also provides training for the teacher in a first or second teaching field. Additionally, students planning for professional training in urban planning, geography, or geology will find the curriculum sufficiently well-rounded to be acceptable to graduate schools of the leading universities. Each student's sequence is carefully arranged in consultation with his adviser.

Major in Earth Science

A STUDENT MAY MAJOR IN EARTH SCIENCE, combining courses in Geology and Geography with other science offerings, and work towards a Bachelor of Arts degree. In addition to the introductory offerings, he would take 12 additional hours in Geology as well as Geography 225 and 226. Additional courses in Geography and in the other sciences would be expected, depending upon the interests and goals of the student.

Major in Geology

A STUDENT MAJORING IN GEOLOGY will normally be working toward a Bachelor of Science degree in anticipation of going on for graduate work in Geology. He will take eight courses in Geology in addition to Geology 400 and Geography 225 and 226. A minimum of 30 semester-hours is expected in Mathematics, Chemistry, Physics, Biology, and Engineering Graphics.

GEOLOGY 111. EARTH SCIENCE (I) Staff. 4
Rocks and minerals; modification of the earth's crust; weathering and agencies of erosion; water and soil; methods of historical geology. Laboratory and field work. (Offered in fall semester.)

GEOLOGY 112. EARTH SCIENCE (II) Staff. 4
A study of the earth, sun, moon relationships; latitude and longitude; time and tides. Phenomena of the atmosphere and oceans leading to consideration of weather and climate. Laboratory.

GEOLOGY 113. HISTORICAL GEOLOGY Mr. Bork. 4

A study of the geologic history of North America as synthesized from sequences of rock strata and from fossils. Emphasis is placed on the methods of interpreting the environment of deposition and the ecology of past life. Prerequisite: 111 (or 112 with consent).

GEOLOGY 211. MINERALOGY Mr. Graham. 3

Identification of chief rock-forming and ore minerals. Crystal systems are studied. Minerals are studied in hand specimen, also as fragments and in thin-sections with polarizing microscope. Introduction to the study of ore deposits. Prerequisites: 111 and 112.

GEOLOGY 212. PETROLOGY Mr. Graham. 3

Identification of chief rock kinds in hand specimen; limited work with thin-sections. Classification of igneous and sedimentary rocks considered. Introduction to sedimentation and metamorphism. Prerequisite: 211.

GEOLOGY 213. PALEONTOLOGY Mr. Bork. 3

An introduction to microfossil and megafossil invertebrates relating their morphology to modern biological classification. Includes investigation on the paleoecology of the organisms. Prerequisite: 113.

GEOLOGY 214. SEDIMENTATION AND STRATIGRAPHY Mr. Bork. 3

Study of the processes of sedimentation, the environments of deposition. Study of the principles of stratigraphy and correlation of the sedimentary sequences in North America. Prerequisite: 113.

GEOLOGY 311. STRUCTURAL GEOLOGY Mr. Graham. 3

Study of movements of solid rock and molten rock and their effect upon crustal features of the earth. Prerequisites: Geology 111, 112, and Geography 226.

GEOLOGY 312. ADVANCED PHYSICAL GEOLOGY
AND GEOMORPHOLOGY 3

Intensive study of dynamic earth processes, both constructional and destructional, which determine nature of earth's crustal features both large and small; topographic and geologic map interpretation;

Courses of Study

field work. Prerequisites: Geology 111, 112, and 311; and Geography 226.

GEOLOGY 320. GEOLOGICAL INVESTIGATION IN THE FIELD

Mr. Graham. 1-3

Study of geologic field methods, maps, and aerial photos as well as pre-trip preparation for the spring vacation field trip constitute a 3-hour course. Preparation and participation in the field trip constitute a 2-hour course. A student who has had Geology 111 may apply for permission to participate in the field trip for one semester-hour of credit.

GEOLOGY 361-362. DIRECTED STUDIES

2-4

Individual reading and laboratory work in a student's field of interest within Geology. Work in Petroleum Geology is included.

GEOLOGY 400. FIELD COURSE

6

A major in Geology must register for a summer field course offered by any one of a number of approved universities. Upon the successful completion of the course, he receives credit transferable to his record at Denison.

GEOLOGY 461-462. INDIVIDUAL WORK FOR HONORS

3

TEACHING OF SCIENCE (See EDUCATION 311.)

Geography

GEOGRAPHY is a non-major field at Denison, but the student who may wish to pursue this discipline at the graduate level might major in Economics, Sociology or History. Such a student should elect 12-15 hours in Geography at Denison and should choose Geology as one of his years of science. Having completed such a program, a student will normally have little difficulty gaining admission to a graduate program in Geography at a high-ranking university.

GEOGRAPHY 111. EARTH SCIENCE (I)

Staff. 4

(Listed also as Geology 111.)

GEOGRAPHY 112. EARTH SCIENCE (II)
(Listed also as Geology 112.)

Staff. 4

GEOGRAPHY 225. GEOGRAPHY OF THE EASTERN

UNITED STATES

Mr. Mahard. 4

Geomorphic provinces, their rocks, and terrain development. Emphasis on historical geography and continuing influence of environment upon the nation's development. (Fall semester.)

GEOGRAPHY 226. GEOGRAPHY OF THE WESTERN

UNITED STATES

Mr. Mahard. 4

Geomorphic provinces, their rocks, and terrain development. Emphasis placed on appreciation and understanding of scenery; relationships between development of the West and environmental considerations. (Spring semester.)

GEOGRAPHY 230. GEOGRAPHY OF SOUTH AMERICA

Mr. Mahard. 3

Environmental factors and their significance in the affairs of South America.

GEOGRAPHY 232. GEOGRAPHY OF EUROPE

Mr. Mahard. 3

Environmental factors and their significance in the affairs of Europe; emphasis is placed upon geographic factors which play a role in current events in Europe.

GEOGRAPHY 241. GEOGRAPHY OF ASIA

Mr. Mahard. 3

Asia is broadly studied to relate the environmental situation to the rapidly changing contemporary scene.

GEOGRAPHY 261. WORLD POLITICAL GEOGRAPHY Mr. Mahard. 3

A study of natural environment and earth-man relationships as they bear on the current world political situation.

GEOGRAPHY 361-362. DIRECTED STUDIES

Mr. Mahard. 2-4

Readings in Geography selected to enhance student's geographic comprehension.

*Dr. Brakeman conducts
Washington field trip*

GOVERNMENT

MR. STEPHENS, MR. MORROW
(PART-TIME), MR. WIRT, (on leave
1966-67), MR. BRAKEMAN, MR.
MOREY, MR. NORAGON

CHAIRMAN (1965-68),
MR. BRAKEMAN

SENIOR FELLOWS, MR. BRUCE
EHRNMAN, MISS SHARON KILEY

JUNIOR FELLOW, MR. ALBERT
NAGY



Major in Government

A STUDENT MAJORING IN GOVERNMENT will complete a minimum of nine courses in the fields of this discipline. These include American National Government 211, either American Government 213 or 314, and Government 300; two courses in Comparative Government, 221 and 321 or 322; one course each in International Relations, (341 or 342); Law (351 or 352); Political Process (331 or 332); and Political Theory (303, 304, or 305). Required also are two semesters of Senior Seminar (401-402) or of Honors (461-462).

A student majoring in Government is also required to take Introductory Economics 211, Sociology 207, and History 221-222.

A majoring student planning to do graduate study or expecting to enter the foreign service must demonstrate a reading knowledge of a modern foreign language by the beginning of the senior year. Students planning on graduate work are encouraged to take Mathematics 107, Social Statistics.

GOVERNMENT 211. AMERICAN NATIONAL GOVERNMENT Staff. 3
Study of the development, structure, and operation of our national government. (Open to freshmen.)

GOVERNMENT 213. AMERICAN STATE AND LOCAL POLITICS

Mr. Morey. 3

An analysis of state and local government in the American system. Examination of the political process as it operates and of current problems and tendencies in both the state and the community systems.

GOVERNMENT 221. COMPARATIVE GOVERNMENT

Staff. 3

A comparative study of different types of modern constitutions in relation to their social, economic, and ideological backgrounds. Great Britain, France, and the Union of Soviet Socialist Republics will be examined.

GOVERNMENT 231-232. BUSINESS LAW

Mr. Morrow. 3

A survey of law as applied to business, covering the field of contracts, property, sales, negotiable instruments, agency, partnerships, corporations, insurance, bankruptcy, and labor relations. *This may not be counted toward a major in Government.*

GOVERNMENT 300. THE SCOPE AND METHODS OF POLITICAL SCIENCE

Mr. Morey. 3

An introduction to the major concepts, issues, and methods in the study of politics. Emphasis will be on some of the most current research and on the student's ability to select and design a research project.

GOVERNMENT 303. ANCIENT AND MEDIEVAL POLITICAL THOUGHT

Mr. Stephens. 3

The basic theories of European government from the time of Plato to Locke. (Not offered in 1966-67.)

GOVERNMENT 304. MODERN AND CONTEMPORARY POLITICAL THOUGHT

Mr. Stephens. 3

The chief theories of European and American governments from Machiavelli to the present.

GOVERNMENT 305. AMERICAN POLITICAL THOUGHT

Mr. Stephens. 3

A study of the issues in American political thought from the colonial period to the present. Attention will be given to both the intel-

lectuals and practitioners in American politics. Selected Supreme Court opinions will be examined.

GOVERNMENT 314. THE NATIONAL POLITICAL PROCESS

Mr. Morey. 3

Analysis of the formation and development of public policy. Examination of the political decision-making process with emphasis on the presidency and congress.

GOVERNMENT 321. NATIONALISM IN THE NON-WESTERN WORLD

Mr. Brakeman. 4

An analysis of the patterns of nationalism in Asia, the Middle East, and Africa. The post-war political and economic problems of several countries will be analyzed and compared.

GOVERNMENT 322. DYNAMICS OF SOVIET SOCIETY Mr. Wirt. 3

Soviet institutions are studied as means of coercion and persuasion available to modern totalitarian states, i.e., use of party, army, industry, unions, and cultural organs as instruments of oligarchical power. The relationship of state to worker and farmer, intellectual and scientist, party member and soldier is observed from Lenin to present. (Not offered in 1966-67.)

GOVERNMENT 331. POLITICAL PARTIES AND POLITICS Mr. Morey. 3

Party history in terms of economic and social movements. Analysis of party structure, including group composition, voting behavior, machinery, and finances. Interpretation of party operations in the electoral process and government functions. Structure and function viewed within empirical and value theory framework.

GOVERNMENT 332. PUBLIC OPINION AND POLITICAL PROCESSES

Mr. Noragon. 3

The formation of political opinions by social institutions. The role of parties, elections, government, and pressure groups in the policy-making process. Analysis of evidence of Americans' actual opinions, both majority and deviant.

GOVERNMENT 341. INTERNATIONAL RELATIONS Mr. Brakeman. 4

Analysis of the theoretical and practical problems of international

politics in a nuclear age. Particular attention will be paid to current problems of U.S. foreign policy.

GOVERNMENT 342. INTERNATIONAL LAW AND ORGANIZATION

Mr. Brakeman. 4

An examination of traditional and contemporary international law and legal problems of international organizations. An analysis of the problems facing efforts at international organization, especially the United Nations and the European institutions.

GOVERNMENT 351. CONSTITUTIONAL LAW

Mr. Morrow. 4

The American Constitutional system through the decisions of the Supreme Court; relationships between state and federal governments; recent trends in jurisprudence.

GOVERNMENT 352. INTRODUCTION TO THE LAW

Mr. Morrow. 4

A programmed study of the skills and knowledge necessary for reading judicial opinions with understanding, writing organized answers to legal questions pertaining to cases, and study of the variables involved in judicial craftsmanship. *For pre-law students.*

GOVERNMENT 360. WASHINGTON FIELD TRIP

Staff. 2

A trip to observe the federal government in operation and to discuss significant issues with top officials. After intensive preparation, students spend the spring vacation in conference with policy advisers, makers, and administrators. Consent of instructor.

GOVERNMENT 361-362. DIRECTED STUDY

Staff. 3

GOVERNMENT 401-402. SEMINAR

Staff. 2

Designed to give the student an opportunity to learn the techniques and methodology of sound research. The student will explain and defend a thesis before the other members of the seminar. *Required of all non-honors' seniors majoring in Government.*

GOVERNMENT 461-462. INDIVIDUAL WORK FOR HONORS

Staff. 3

TEACHING OF SOCIAL STUDIES (See EDUCATION 320.)

HISTORY

MR. STRATTON, MR. SOUTHGATE, MR. CHESSMAN, MR. W. PRESTON, MR. POLLOCK, MR. WATSON, MR. HUCKABY, MR. TODD, MR. LEVER, MR. WILHELM, MR. HOLTER, MR. MENNEL, MR. STORCH (PART-TIME)

CHAIRMAN (1965-68), MR. PRESTON

Major in History

A STUDENT MAJORING IN History must take at least 24 semester-hours in this department and Western Civilization (History 101-102). Required courses include History 211 and 231, and enough work in American and Modern European History to give him the basic competence in those areas expected in the Comprehensive Examination. Other courses, to a maximum of 40 hours (including Western Civilization), may be selected from the four areas of the History curriculum — American, Ancient - Medieval, Modern European, and African-Asian. Honors candidates may take 46 hours.

A working knowledge of a foreign language is normally required of all majors; *those planning on graduate school should start a second language, if possible. (Most graduate schools require a reading knowledge of French and German.)*

From left: Mr. Wilhelm, Dr. Lever, Dr. Southgate, Dr. Stratton, Dr. Pollock, Dr. Preston, Mr. Todd, Dr. Chessman





*Dr. Watson lecturing
on Western civilization*

Introductory Courses

HISTORY 101-102. WESTERN CIVILIZATION Staff. 3

An investigation of the origins and development of Western culture and institutions. (To be taken in the freshman or sophomore year.)

HISTORY 211. MODERN EUROPE Messrs. Huckaby, Lever, Pollock,
Watson. 4

An examination of European society from the Renaissance until World War II in the light of the forces which mold its attitudes and institutions. Consent of instructor. (Offered each semester.)

HISTORY 221-222. AMERICAN CIVILIZATION Messrs. Chessman, Preston, Todd, Wilhelm. 3

A comprehensive survey of the history of America from colonial times to the present. Political, diplomatic, social, economic, and intellectual developments will be included.

HISTORY 231. HISTORICAL RESEARCH AND HISTORIOGRAPHY Staff. 3

A study of methods of historical research and writing, of the concepts with which the historian must deal, and some writings of the great historians and of their differing views on the nature and purposes of the historical discipline. A number of research papers and essays are required. (Offered each semester.)

American History

HISTORY 301. THE COLONIAL PERIOD OF AMERICAN HISTORY Mr. Todd. 3

A study of the economic, social, and political aspects of American History during the 17th and 18th centuries.

HISTORY 303. THE AMERICAN FRONTIER Mr. Wilhelm. 3
The frontier in American economic, political, and cultural development.

Courses of Study

HISTORY 305. RECENT AMERICAN HISTORY

Mr. Chessman, Mr. Preston. 3

The political, economic, social, and constitutional history of the era of "normalcy," the Crash and the Great Depression, the New Deal, World War II, and the post-war problems of peace and reconstruction.

HISTORY 307. AMERICAN DIPLOMATIC HISTORY Mr. Wilhelm. 4

A survey of American Diplomatic History since the Revolution, emphasizing the establishment of principles of foreign policy, the territorial expansion of the 19th Century, and the rise to world power in the 20th Century.

HISTORY 309. AMERICAN ECONOMIC HISTORY Mr. Preston. 3

The rise of modern industrial capitalism in the United States, with an emphasis upon the relationship of economic and political developments. Prerequisite: 221-222 or consent of instructor.

HISTORY 311. AMERICAN INTELLECTUAL HISTORY

Mr. Chessman. 3

A study of selected problems in American intellectual development. Prerequisite: 221-222 or consent of instructor.

HISTORY 313. AMERICAN SOCIAL HISTORY TO 1860 Mr. Todd. 3

A study of selected topics in American social history down to 1860. Such topics might include educational, religious, and economic institutions, as well as the development of social classes.

HISTORY 314. AMERICAN SOCIAL HISTORY SINCE 1860

Mr. Chessman. 3

A survey of development of American social history since the Civil War, emphasizing urban and industrial growth and its effects upon social classes, institutions, and cultural life.

Ancient and Medieval History

HISTORY 321. GREECE

3

The political, social, economic, and cultural history of ancient Greece from the Minoan era to the Empire of Alexander the Great.



*Dr. Southgate discourse
on Elizabethan England*

HISTORY 323. ROME

3

The constitutional, imperial, economic, intellectual, and religious history of the Roman Republic and Empire to the 5th Century A.D.

HISTORY 333-334. THE MIDDLE AGES

Mr. Southgate. 3

A seminar in the development of European ideas and institutions from the High Middle Ages to the Renaissance. Prerequisite: 101-102.

HISTORY 335. ENGLAND IN THE MIDDLE AGES

Mr. Southgate. 3

English constitutional and social history from the Norman Conquest to 1485. Prerequisite: 101-102.

Modern European History

HISTORY 342. ENGLAND UNDER THE TUDORS AND STUARTS

Mr. Southgate. 3

A study of English social and cultural history and of the development of the English constitution against the background of the political history of the 16th and 17th Centuries. Prerequisite: 101-102.

HISTORY 343. MODERN BRITAIN

Mr. Watson. 3

A political, social, and cultural history of Great Britain from 1715 to the present. Prerequisite: 101-102.

HISTORY 345. FRANCE (1589-1815)

Mr. Huckaby. 3

The social, economic, and political development of France from 1589 to 1815 with special attention to the eras of Louis XIV and the French Revolution and Napoleon. Prerequisite: 101-102.

HISTORY 347. HISTORY OF RUSSIA

Mr. Holter. 3

Development of the Russian people and state from their earliest origins to 1917; political, economic, and social relations; and foreign policy.

Courses of Study

HISTORY 348. HISTORY OF THE USSR Mr. Holter. 3
Political, economic, social, and diplomatic evolution of Soviet Russia and the Republics of the USSR from about 1917 to the present.

HISTORY 349. MODERN GERMANY Mr. Lever. 3
A study of the political, economic, and social history of Germany from 1789 to the present. Prerequisite: 101-102.

HISTORY 351. DIPLOMATIC HISTORY OF EUROPE IN THE 19TH AND 20TH CENTURIES Mr. Lever. 3
A study of European international relations since the Napoleonic period. Prerequisite: 101-102.

HISTORY 353. EUROPE IN THE 20TH CENTURY Mr. Pollock. 3
An analysis of the political, economic, and diplomatic problems of the 20th Century, using Europe as the point of focus but considering other areas where critical developments influenced the course of world events. The history of each European nation is studied in detail in order to reveal its unique characteristics as well as the extent to which it was involved in problems of European-wide or world-wide dimensions. Prerequisite: 101-102.

HISTORY 354. EUROPE SINCE 1939 Mr. Pollock. 3
Prerequisite: 101-102.

HISTORY 355. INTELLECTUAL HISTORY OF MODERN EUROPE (17th and 18th Centuries) Mr. Huckaby. 3
The main currents of Western European thought examined as responses to scientific, economic, social, and political developments in eras of profound change. Prerequisite: 101-102.

HISTORY 356. INTELLECTUAL HISTORY OF MODERN EUROPE (19th and 20th centuries) Mr. Watson. 3
Prerequisite: 101-102.

African and Asian History

HISTORY 371. CHINA Mr. Stratton. 3
A survey of the origin and formation of the basic patterns of Chinese traditional civilization, the Western impact and China's response, and the rise of Communism in modern China.

HISTORY 373. JAPAN

Mr. Stratton. 3

An analysis of the origins and development of Japan's traditional society, her modernization and expansion, and subsequent reorganization since World War II.

HISTORY 375. INDIA

Mr. Stratton. 3

Investigation of the origin and formation of India's traditional Hindu culture, followed by consideration of the Moslem and Western intrusions, the rise of Indian nationalism, and the problems of independent India and Pakistan.

HISTORY 377. ASIAN HISTORY AND CULTURE

Mr. Stratton. 3

A course combining lectures, directed reading, and preparation of a research paper on some aspect of a coordinating theme to be determined by students' interests. Prerequisite: Previous study in any department of Asian materials or consent of instructor.

HISTORY 381. AFRICA

Mr. Pollock. 3

A survey of the history of sub-Saharan Africa from the earliest times through World War I.

HISTORY 383. CONTEMPORARY AFRICA

Mr. Pollock. 3

A study of Africa south of the Sahara from the end of World War I to the present, through a comparative analysis of economic, social, political, and similar problems as they relate to the various nations and regions.

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HISTORY 360. STUDIES IN HISTORY

Staff. 3

Intensive study by the class of selected periods or topics in History. May be taken more than once for credit. Prerequisite: Consent of instructor.

HISTORY 361-362. DIRECTED STUDY

Staff. 3

HISTORY 431-432. SEMINARS

Staff. 3

Seminars are open to superior students with consent of the instructor. These courses will involve the preparation of a research paper,

Courses of Study

and (as registration warrants) will be offered in the following fields:

a. Early American History	Mr. Todd
b. American Frontier	Mr. Wilhelm
c. American Diplomatic History	Mr. Wilhelm
d. American Social and Intellectual History	Mr. Chessman
e. American Political and Economic History	Mr. Preston
f. Tudor England	Mr. Southgate
g. Modern England	Mr. Watson
h. Far Eastern History	Mr. Stratton
i. Africa: South of the Sahara Desert	Mr. Pollock
j. The Enlightenment in Europe	Mr. Huckaby
k. Modern European Intellectual History	Mr. Watson
l. European Diplomatic History	Mr. Lever
m. The Old Regime in France	Mr. Huckaby
n. Russian History	Mr. Holter

HISTORY 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

TEACHING OF SOCIAL STUDIES (See EDUCATION 320.)

Dr. Chessman gives quiz to American History students





Dr. Roberts, Mr. Pheneger, and Dr. Prentice in Computer Center

MATHEMATICS

MISS WETZEL, MR. STERRETT (on leave 1966-67), MR. GRUDIN, MR. ROBERTS, MR. PRENTICE, MR. STANFORD, MR. BONAR, MR. KARIAN

ACTING CHAIRMAN (1966-67), MR. ROBERTS

SENIOR FELLOWS, MR. GERALD BRYCE, MISS MARGARET MOODY, MR. LAWRENCE SCHAD

JUNIOR FELLOWS, MISS BARBARA BRAEUTIGAM, MR. STEPHEN KRIEBEL, MISS MARY MARKIS, MR. ARTHUR STADDON

Major in Mathematics

MINIMUM REQUIREMENTS for a major in Mathematics for a B.A. degree are five semester courses at the 300 level or above. Minimum requirements for a major in Mathematics for a B.S. degree are four full-year courses at the 300 level or above. These four full-year courses must consist of two taken in the junior year and two in the senior year. An exception to this rule will be made for a student doing an honors project during the senior year. That

Courses of Study

student may elect to take a single year-course while working on honors, provided he has taken three full-year courses during the junior year.

A student desiring recommendations for graduate study in mathematics should take a B.S. major. A reading knowledge of at least one foreign language—French, German, or Russian—is also recommended.

A student interested in quantitative aspects of Economics who wishes to work for advanced degrees in Business or Economics at universities where a strong Mathematics background is important, may elect a B.A. program in Mathematics. Requirements are 307-308, 365 and Economics 211-212, 321-322, plus 6 additional hours approved by the departmental adviser.

A student who plans to teach in secondary schools is advised to include 321, 365, and 375 in his program.

Mathematics 101, 102, 103, and 107 are designed for the students majoring in the Behavioral, Management, or Social Sciences. *These courses do not count toward a major in Mathematics.*

MATHEMATICS 101. ELEMENTARY ANALYSIS Staff. 3
Basic concepts in analytic geometry and Calculus. (*No credit given if student has had 121 or 211.*) Students may take 121 after 101.

MATHEMATICS 102. DISCRETE PROBABILITY MODELS Staff. 3
Expected value, tests of hypotheses, and confidence intervals applied to binomial, geometric, and Poisson models; correlation. Prerequisite: 101, 121, or 211.

MATHEMATICS 103. CONTINUOUS PROBABILITY MODELS Staff. 3
Applications pertaining to the normal, chi-square, F and t distributions; linear regression. Prerequisite: 102.

MATHEMATICS 107. SOCIAL STATISTICS Staff. 3
Adapted to students in Personnel Administration, Psychology, and Sociology.

MATHEMATICS 121-122. ELEMENTARY MATHEMATICAL ANALYSIS Staff. 4

Introduces elementary ideas of The Calculus at the start and uses them throughout the course in an integrated study of topics in algebra and analytic geometry, including an introduction to solid analytic geometry. A fifth hour will be arranged for a part of the first semester for students who have had no plane trigonometry. Prerequisite: Three years of high school Mathematics, 101, or consent of instructor.

MATHEMATICS 123. ELEMENTARY MATHEMATICAL ANALYSIS Staff. 4

A special course for selected freshmen who have studied the equivalent of one semester of Calculus in secondary school. Theoretical aspects of The Calculus are emphasized. Prerequisite: consent.

MATHEMATICS 211-212. FRESHMAN HONORS SECTION IN ELEMENTARY MATHEMATICAL ANALYSIS Staff. 4

An honors course for selected freshmen treating of analytic geometry and an introduction to The Calculus as an integrated course.

MATHEMATICS 221-222. THE CALCULUS Staff. 4

Includes such topics as linear algebra, partial differentiation, multiple integrals, and expansion of functions into infinite series. Prerequisite: 122 or consent of instructor.

MATHEMATICS 307-308. PROBABILITY AND MATHEMATICAL STATISTICS Staff. 4

Probability models, generating functions, limit theorems, stochastic processes, estimation of parameters, tests of hypotheses, regression. Prerequisite: 212 or 222.

MATHEMATICS 313. SOPHOMORE HONORS SECTION IN THE CALCULUS Staff. 4

Includes such topics as linear algebra, partial differentiation, multiple integrals, infinite series, and an introduction to differential equations. Prerequisite: 212.

Courses of Study

MATHEMATICS 321-322. ADVANCED ANALYSIS Staff. 4

Principal topics are partial differentiation, Riemann and Stieltjes integrals, indeterminate forms, infinite series, improper integrals, Fourier series, and Laplace transform. Prerequisite: 222 or 212.

MATHEMATICS 351-352. DIFFERENTIAL EQUATIONS AND NUMERICAL ANALYSIS Staff. 4

Linear differential equations, existence theorems and numerical integration techniques, error analysis, and numerical analysis. Prerequisite: 222 or 212.

MATHEMATICS 361-362. DIRECTED STUDY Staff. 3

MATHEMATICS 365-366. ABSTRACT ALGEBRA Staff. 4

Introduction to concepts of Algebra: Elementary number theory, group theory, ring theory, vector spaces, linear transformations, matrices, determinants, fields. Prerequisite: Consent of instructor.

MATHEMATICS 375. MODERN GEOMETRY Staff. 3

An introduction to modern geometries. Prerequisite: 222. (Offered in 1966-67 and in alternate years.)

MATHEMATICS 421-422. THEORY OF FUNCTIONS Staff. 4

Introduction to complex analysis in the first semester. Topics such as analytic functions, integrals, series, and conformal mapping will be discussed. The second semester will include an introduction to real analysis and an analytic approach to such topics as measure theory, integration, Hilbert and Banach spaces. Prerequisite: 322 or consent of instructor.

MATHEMATICS 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

MATHEMATICS 471-472. TOPOLOGY Staff. 4

Introduction to the theory of topological spaces. Topics such as separation, metrizable, connectedness, compactness, and homotopy groups will be discussed. The second semester will be a continuation of the first with a topological approach to such topics as approximation, integration, Hilbert and Banach spaces. Prerequisite: 322 or consent of instructor.

TEACHING OF MATHEMATICS (See EDUCATION 335.)



Language tables provide social application of learning

MODERN LANGUAGES

MR. SECOR, MR. EMONT, MR. STEELE, MR. F. L. PRESTON, MR. JONAITIS, MR. HIRSHLER (on leave first semester, 1966-67), MR. JOSEPH, MR. ESHELMAN, MR. ANDERSON, MR. ARMAS, MR. PILKINGTON, MRS. EMONT (PART-TIME), MR. BREDOFF (PART-TIME), MRS. SCHMIDT (PART-TIME)

CHAIRMAN (1964-67), MR. STEELE

THE CHIEF AIM of the courses offered by the department is to give the student a firm command of the spoken and written foreign language through which he can gain a greater appreciation of the literature, art, science, and other achievements of Western culture. In addition to excellent library facilities at the disposal of students, a modern, automatic electronic language laboratory supplements work in the classroom by offering further opportunity for audio-lingual practice and drill. Drill in the laboratory is required of all students in language courses.

A student wishing to spend a summer, a semester, or the junior

year abroad with officially sponsored and supervised programs should consult members of the department. Opportunities to perfect the student's command of the language are provided on the campus by the language tables, foreign movies, club meetings, field trips, and similar activities supervised by the department.

Certification by the Department of Education of the State of Ohio requires a minimum of 20 semester-hours of credit in one language (above the 111-112 level). A student desiring certification in two languages needs 20 hours' minimum in each language. *111-112 may be counted in the second language only.*

TEACHING OF MODERN LANGUAGES (See EDUCATION 343.)

General Departmental Regulations

A STUDENT DESIRING TO MAJOR in the department or to receive a teaching certificate should begin his course work in the freshman year. A student wishing to fulfill the basic requirement in *Language* by continuing the language begun in secondary school should also begin his course work in the freshman year. (For details concerning the alternatives for fulfilling the *Language* requirement, see PLAN OF STUDY.) The basic requirement in *Literature* (3 hours) may be fulfilled by successfully completing any literature course at the 300-level.

Major in French, German, or Spanish

REQUIREMENTS FOR A MAJOR in French, German, or Spanish include a minimum of 24 semester-hours above the 211-212 level. At least a reading knowledge (211-212) of a second modern language is highly desirable for a major in the department. If only one language is studied, a student is not permitted to receive credit for more than 40 semester-hours (not counting 201-202).

If more than one language is studied, the total hours in the department may not exceed 60 semester-hours.

A student with more than 60 semester-hours in all courses in the department must earn excess-hours over and above the 132 semester-hours required for graduation for the hours exceeding 60.

RUSSIAN IS A NON-MAJOR FIELD. However, by taking a program of directed study a student may satisfy the certification requirement (20 hours) for a second teaching field. Courses in ITALIAN and in

PORTUGUESE may be offered upon demand of 10 or more students. A major adviser is assigned or selected by the student in consultation with the chairman of the department.

FRENCH

MR. SECOR, MR. EMONT, MR. F. L. PRESTON, MR. JONAITIS, MR. JOSEPH, MR. PILKINGTON

A STUDENT MAJORING IN FRENCH must take the following courses above the 211-212 level: 311-312, 317-318, 319, 320 or 322, 415-416, and a minimum of one seminar, 418. Recommended courses: 213, 313. Required related course: 201-202.

FRENCH 111-112. BEGINNING FRENCH Staff. 4
Drill in sentence patterns. Special attention to pronunciation and oral work. Composition and reading. Two to three hours each week in the language laboratory are required. *Does not count as credit toward a major.* Not open to those who have previously studied French. *No credit is given for 111 unless 112 is completed.* A student with one year of credit in high school French may register for 112.

FRENCH 201-202. AREA STUDY: FRANCE Mr. Secor. 2-3
The cultural background and significant contemporary sociological and economic problems of France; its position in the affairs of the world today, and its relation to the United States. Attendance at the third class-hour and special reports are required of the student desiring three hours of credit. *Conducted in the English language.*

FRENCH 211-212. INTERMEDIATE FRENCH Staff. 3
Review of sentence patterns, conversation, and reading of modern French prose. Drill in the language laboratory is required. Prerequisite: 111-112 or two years of high school French. A student with three years of high school French is enrolled in a special section of 211-212.

FRENCH 213. INTERMEDIATE CONVERSATION Staff. 3
Intensive practice in audio-lingual skills on the intermediate level. Language laboratory work required. This course does *not* count as a substitute for 212 to satisfy the basic language requirement. Offered both semesters. Prerequisite: 211 or the equivalent.

FRENCH 215. INTERMEDIATE FRENCH (Special) Staff. 4

An intensive program in the basic language skills combined with a thorough review of French grammar on the intermediate level. Prerequisite: 3 years of high school French. Not open to students who have taken French 212 for credit.

FRENCH 311-312. INTRODUCTION TO FRENCH LITERATURE

Staff. 3

Introduction to major literary movements and figures in France from the Middle Ages to the present, with readings from representative authors. Class discussion, outside reading, and term paper are required. *Conducted in French*. Prerequisite: 212, 215, or four years of high school French.

FRENCH 313. EXPLICATIONS DE TEXTES

Staff. 3

Advanced oral training using "explication de textes" techniques, stressing text analysis and interpretation, vocabulary, and syntax. To be given each semester. Prerequisite: 311-312. (Offered in 1967-68 and in alternate years.)

FRENCH 317. 17TH CENTURY LITERATURE

Mr. Emont. 3

French classicism from Malherbe and Descartes to the theatre of Corneille, Molière, and Racine, and their contemporaries, Pascal, Bossuet, La Fontaine, La Rochefoucauld, La Bruyère, and Boileau, and Mmes. de Sévigné and Lafayette. Class discussion, outside reading, and writing of term papers are required. *Conducted in French*. Prerequisite: 311-312.

FRENCH 318. 18TH CENTURY LITERATURE

Mr. Preston. 3

Voltaire, Rousseau, Montesquieu, Diderot, and the leading playwrights and novelists of the century. Class discussion, outside reading, and term paper are required. *Conducted in French*. Prerequisite: 311-312.

FRENCH 319. 19TH CENTURY PROSE AND POETRY Mr. Secor. 3

Novelists: Chateaubriand through Balzac, Flaubert, de Maupassant to contemporary authors. Critics: Sainte-Beuve, Taine, Renan. Poets: From the Romantics through the Symbolists. Class discussion, outside reading, term paper are required. *Conducted in French*. Prerequisite: 311-312.



Dr. F. L. Preston at controls in language laboratory

FRENCH 320. 19TH AND 20TH CENTURY THEATRE Mr. Secor. 3
The Romantic, Realistic-Social, Naturalistic Schools, and modern trends including Camus, Anouilh, Montherlant, and Claudel. Class discussion, outside reading, and term paper are required. *Conducted in French*. Prerequisite: 311-312. (Offered in second semester, 1967-68, and in alternate years.)

FRENCH 322. THE FRENCH NOVEL OF THE 20TH CENTURY Mr. Jonaitis. 3
The development of the novel of the 20th Century, with emphasis on Gide, Proust, Mauriac, Malraux, Sartre, Camus, and others including the post-war experimenters of the New Novel. Class discussions, outside reading, and term paper are required. *Conducted in French*. Prerequisite: 311-312. (Offered in second semester, 1966-67, and in alternate years. Majors may choose between 320 and 322 or take both.)

FRENCH 361-362. DIRECTED STUDY Staff. 3

FRENCH 401-402. PROBLEMS IN AREA STUDY Mr. Secor. 3
A terminal integrating course of independent study to be taken in the senior year by the student majoring in the transdepartmental sequence, AREA STUDY: FRANCE.

FRENCH 415-416. ADVANCED FRENCH GRAMMAR AND WRITING Mr. Secor. 2
Intensive grammar review and composition on the advanced level. Prerequisite: 311-312. (Offered in 1966-67 and in alternate years.)

Courses of Study

FRENCH 418. SEMINAR

Staff. 2

Advanced study of special problems in language or literature. One seminar is usually offered each semester. Majors are required to take a minimum of one seminar, but may elect more. Prerequisites: 312 and a semester of an advanced literature course.

FRENCH 461-462. INDIVIDUAL WORK FOR HONORS

Staff. 3

GERMAN

MR. HIRSHLER (on leave first semester, 1966-67), MR. ESHELMAN, MR. ANDERSON, MRS. EMONT,

A STUDENT MAJORING IN GERMAN must take the following courses above the 211-212 level: 311-312, 317, 318, 319, 320, and 413-414. Recommended courses: 213-214, 313-314, and 415-416. Required related course: 201-202.

GERMAN 111-112. BEGINNING GERMAN

Staff. 4

Drill in sentence patterns. Special attention to pronunciation and oral work. Composition and reading. Two to three hours each week are required in the language laboratory. *Does not count as credit toward a major.* Not open to those who have previously studied German. *No credit is granted for 111 unless 112 is completed.* A student with one year of credit in high school German may register for 112.

GERMAN 201-202. AREA STUDY: GERMANY

Mr. Hirshler. 2-3

The cultural development of Germany; present and past problems, position in world affairs, and relations to the United States. Attendance at the third class-hour and special reports required of the student desiring three hours of credit. *Conducted in the English language.*

GERMAN 211-212. INTERMEDIATE GERMAN

Staff. 3

Review of sentence patterns, conversation, and introduction to German classics. Drill in the language laboratory is required. Special section for students desiring readings in scientific German literature. Prerequisite: 111-112 or two years of high school German.

GERMAN 213-214. INTERMEDIATE CONVERSATION

Mrs. Emont. 2

Intensive practice in audio-lingual skills on the intermediate level.

At least two hours each week in the language laboratory are required. Composition and letter-writing as required. (Either semester may be taken without the other.) Prerequisite: 211.

GERMAN 215. INTERMEDIATE GERMAN (Special) Staff. 4
An intensive program in the basic language skills combined with a thorough review of German grammar on the intermediate level. Prerequisite: 3 years of high school German. Not open to students who have taken German 212 for credit.

GERMAN 311-312. INTRODUCTION TO GERMAN LITERATURE Mr. Eshelman. 3
Readings from leading German literary figures of the 20th Century such as Kafka, Thomas Mann, Rilke, Hofmannsthal, Brecht. The drama (first semester); prose and poetry (second semester). Prerequisite: 212, 215, or four years of high school German.

GERMAN 313-314. ADVANCED CONVERSATION Mr. Eshelman. 2
Intensive practice in audio-lingual skills on the advanced level. Composition as needed. At least two hours in the language laboratory are required each week. *Conducted in German*. Prerequisite: 213-214 or 211-212 or consent of instructor. (Offered in 1967-68 and in alternate years.)

GERMAN 317. GERMAN CLASSICS Mr. Hirshler. 3
Lessing, Schiller, and the classical German drama. Prerequisites: 212, 214 or three years of high school German. (Offered in 1966-67 and in alternate years.)

GERMAN 318. GOETHE'S WORKS Mr. Hirshler. 3
Selections. Prerequisites: 212, 317, 319 or consent of instructor. (Offered in 1966-67 and in alternate years.)

GERMAN 319. 19TH CENTURY PROSE Mr. Hirshler. 3
Beginning with the Romanticists and including recent literary movements represented by Hauptmann, Schnitzler, Thomas Mann, and other leading writers. Prerequisite: Same as for 317. (Offered in 1967-68 and in alternate years.)

GERMAN 320. 19TH CENTURY DRAMA Mr. Hirshler. 3
Kleist, Grillparzer, Hebbel, Hauptmann, and others. Prerequisite: Same as for 318. (Offered in 1967-68 and in alternate years.)

Courses of Study

GERMAN 361-362. DIRECTED STUDY Staff. 3

GERMAN 401-402. PROBLEMS IN AREA STUDY Mr. Hirshler. 3

A terminal integrating course of independent study to be taken in the senior year by the student majoring in the transdepartmental sequence, AREA STUDY: GERMANY.

GERMAN 413-414. ADVANCED COMPOSITION AND GRAMMAR Mr. Eshelman. 2

Intensive grammar review and composition on the advanced level. Prerequisite: 312. (Offered in 1966-67 and in alternate years.)

GERMAN 415. SURVEY OF GERMAN LITERATURE BEFORE 1700 Mr. Eshelman. 3

Prerequisite: any 300 course or consent of instructor. (Offered in 1967-68.)

GERMAN 416. SURVEY OF GERMAN LITERATURE AFTER 1700 Mr. Hirshler. 3

Prerequisite: same as 415.

GERMAN 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

RUSSIAN

MR. BREDOFF

RUSSIAN 111-112. BEGINNING RUSSIAN 4

Drill in sentence patterns. Special attention to pronunciation and oral work. Composition and reading. Two to three hours each week are required in the language laboratory. Not open to those who have previously studied Russian. *No credit is granted for 111 unless 112 is completed.* A student with one year of Russian in high school may register for 112.

RUSSIAN 211-212. INTERMEDIATE RUSSIAN 3

Review of sentence patterns, conversation, and reading of modern Russian prose. Outside readings with special provisions for those interested in scientific Russian literature. Drill in the language laboratory is required. Prerequisite: 111-112 or two years of high school Russian.

RUSSIAN 361-362. DIRECTED STUDY 3



Dr. Steele conducts conversation in Spanish

SPANISH

MR. STEELE, MR. ANDERSON, MR. ARMAS

A STUDENT MAJORING IN SPANISH must take the following courses above the 211-212 level: 311-312 or 315-316, 317, 318, 319, 320, and 413-414. Recommended courses: 313-314, 311-312 or 315-316, and a minimum of one seminar, 418. Required related course: 201-202.

SPANISH 111-112. BEGINNING SPANISH

Staff. 4

Drill in sentence patterns. Special attention to pronunciation and oral work. Composition and reading. Two to three hours each week are required in the language laboratory. *Does not count as credit toward a major.* Not open to those who have previously studied Spanish. *No credit is granted for 111 unless 112 is completed.* A student with one year of Spanish in high school may register for 112.

SPANISH 201-202. AREA STUDY: LATIN AMERICA

Mr. Steele. 2-3

The cultural background and significant contemporary sociological and economic problems of Latin America; its position in the affairs of the world today, and its relation to the United States. Attendance at the third class hour and special reports are required of those desiring three hours of credit. *Conducted in the English language.*

SPANISH 211-212. INTERMEDIATE SPANISH

Staff. 3

Review in sentence patterns, conversation, and reading of modern

Spanish prose. Drill in the language laboratory is required. Prerequisite: 111-112 or two years of high school Spanish. A student with three years of Spanish in high school is enrolled in a special section of 211.

SPANISH 215. INTERMEDIATE SPANISH (Special) Staff. 4

An intensive program in the basic language skills combined with a thorough review of Spanish grammar on the intermediate level. Prerequisite: 3 years of high school Spanish. Not open to students who have taken Spanish 212 for credit.

SPANISH 311-312. INTRODUCTION TO SPANISH LITERATURE
AND CIVILIZATION Mr. Anderson. 3

An introductory survey of the literature and culture of Spain. Characteristics of modern Spain as seen through its history, geography, and art with primary attention to literary movements (the beginnings, Renaissance, Golden Age, Neo-Classicism, 19th and 20th Centuries.) A study of such representative authors and works as *El Cid*, Jorge Manrique, *Lazarillo de Tormes*, Cervantes, *La vida es sueño*, *Don Alvaro*, Pérez Galdos, Unamuno, Benavente, and Federico García Lorca. Conducted in Spanish. Prerequisite: 212, 215, or four years of high school Spanish.

SPANISH 313-314. ADVANCED CONVERSATION Staff. 2

Intensive practice in audio-lingual skills on the advanced level. Oral reports, class discussion, speeches. Prerequisite: 211-212 or consent of instructor. (Offered in 1966-67 and in alternate years.)

SPANISH 315-316. INTRODUCTION TO SPANISH AMERICAN
LITERATURE Mr. Steele. 3

An introductory survey of the major literary movements, works, and authors of Spanish America with references to cultural background, and including a study of representative authors and works such as Bernal Díaz del Castillo, *La araucana*, Sor Juana Inés de la Cruz, Fernández de Lizardi, *María*, Rubén Darío, and examples of 20th Century prose and poetry. Conducted in Spanish. Prerequisite: 212, 215, or four years of high school Spanish.

SPANISH 317. SPANISH LITERATURE THROUGH THE 15TH
CENTURY Mr. Armas. 3

Important authors and works of the Spanish Middle Ages and

Renaissance. A study of the emergence and early development of the various genres with emphasis on *El Cid*, *El libro de buen amor*, *El conde Lucanor*, the ballad, *La Celestina*. Conducted in Spanish. Prerequisite: 311-312 or 315-316. (Offered in first semester, 1966-67, and in alternate years.)

SPANISH 318. SPANISH LITERATURE OF THE 16TH AND
17TH CENTURIES

Mr. Armas. 3

An extensive study of major authors and works of the Golden Age including Garcilaso de la Vega, the Mystic poets, the Picaresque Novel, Cervantes, Golden Age Drama, Góngora, and Quevedo. Conducted in Spanish. Prerequisite: 311-312 or 315-316. (Offered second semester following 317.)

SPANISH 319. SPANISH LITERATURE OF THE 19TH AND
20TH CENTURIES

Mr. Steele. 3

Selected readings from the works of Larra, Romantic Drama and Poetry, Bécquer, the Spanish Regional Novel, Pérez Galdós, Echegaray, the Generation of '98, 20th Century poetry and drama, and the post-war Spanish novel. Conducted in Spanish. Prerequisite: 311-312 or 315-316. (Offered in first semester, 1967-68, and in alternate years.)

SPANISH 320. SPANISH AMERICAN LITERATURE OF THE 19TH
AND 20TH CENTURIES

Mr. Steele. 3

A study of authors, genres, and works including Gaucho Literature, the Spanish American novel (*Don Segundo Sombra*, *Doña Bárbara*, *Los de abajo*), and 20th Century poetry. Conducted in Spanish. Prerequisite: 311-312 or 315-316. (Offered second semester following 319.)

SPANISH 361-362. DIRECTED STUDY

Staff. 3

SPANISH 401-402. PROBLEMS IN AREA STUDY

3

A terminal integrating course of independent study to be taken in the senior year by the student majoring in the transdepartmental sequence, AREA STUDY: LATIN AMERICA.

SPANISH 413-414. ADVANCED COMPOSITION AND SYNTAX

Mr. Anderson. 2

Intensive grammar review and composition on the advanced level.

Courses of Study

Prerequisite: 311-312. (Offered in 1967-68 and in alternate years.)

SPANISH 418. SEMINAR

Staff. 2

Advanced study of special problems in language or literature. One seminar will usually be given in each spring semester. It is recommended that majors elect at least one seminar, although they make take more. Prerequisites: 312 and a semester of an advanced literature course.

SPANISH 461-462. INDIVIDUAL WORK FOR HONORS

Staff. 3

MUSIC

MR. ESCHMAN (PART-TIME), MR. BOSTIAN, MR. LARSON, MR. HUNTER, MR. BELLINO, MR. FISCHER, MR. OSBORNE, MR. NEUMANN, MR. BRADLEY (PART-TIME), MR. EPPERSON (PART-TIME), MRS. HARDESTY (PART-TIME)

CHAIRMAN (1966-68), MR. BOSTIAN

Major in Music

ALL COURSES LISTED grant credit, as indicated, toward the Bachelor of Arts degree, the Bachelor of Music degree, or the Bachelor of Music (Music Education). Any student in the University may elect courses to a maximum of 40 semester-hours under the B.A. degree, or 78 hours under the Mus.B. degree. Those who are studying for a degree in Applied Music, Music Education, or Music Theory and Composition will pay the regular college tuition but



*From left: Dr. Eschman,
Mr. Larson, Dr. Osborne,
Mr. Hunter, Mr. Fischer*

no additional charges for private lessons. (For costs to others, see COLLEGE COSTS.)

MUSIC 101. FORMS OF MUSIC Mr. Hunter. 3
A student may substitute Music 102 or 201-202 for this course.

MUSIC 102. MATERIALS OF MUSIC Mr. Osborne. 3
A course concerned with fundamental terminology, forms, and stylistic concepts of Music. A more intensive course for Music majors or for those with greater technical background. (Offered first semester only.)

MUSIC 103-104a. BAND Mr. Hunter. ½
103-104b. ORCHESTRA Mr. Bellino. ½
103-104c. CONCERT CHOIR Mr. Osborne. ½

Credit is granted for participation in any of these ensembles at the rate of one-half credit-hour for each of eight semesters. The credit is not subject to the 17-hour limit. Six semesters of participation will constitute fulfillment of the recommended Fine Arts requirement. (*See Summary of Basic Requirements in COURSES OF STUDY.*)

MUSIC 105-106. OPERA WORKSHOP Mr. Larson. 1-2
A course in the history and performance of opera.

MUSIC 107-108. CHAMBER MUSIC WORKSHOP
Mr. Bellino, Mr. Hunter. 1-2
A course in the style and performance of Chamber Music.

MUSIC 115-116. HARMONY Mr. Eschman. 3
A course in the harmonic structure of tonal Music plus aural and keyboard training.

MUSIC 201-202. HISTORY OF MUSIC Mr. Osborne. 3
An historical survey of the evolution of musical style in Western Europe from Classical Greece to the present time. (Offered in 1967-68 and in alternate years.)

MUSIC 215-216. ADVANCED HARMONY Mr. Eschman. 3
Prerequisite: Music 115-116.

Courses of Study

MUSIC 301. VIENNESE CLASSICAL PERIOD Mr. Fischer. 3

An historical study of the Music of Haydn, Mozart, Beethoven, and Schubert with detailed analysis of selected masterpieces. Prerequisite: Music 201-202 or consent of instructor. (Offered in 1967-68 and in alternate years.)

MUSIC 302. AMERICAN MUSIC Mr. Osborne. 3

A survey of musical development in this country from the 17th Century Psalters and 18th Century New England Tunesmiths through the rise of Jazz and the major figures of the 20th Century. Prerequisite: Music 201-202 or consent of instructor. (Offered in 1966-67 and in alternate years.)

MUSIC 307-308. ORCHESTRATION AND CONDUCTING

Mr. Hunter. 2

Basic course in scorereading and conducting combined with a study of the Orchestra and Band and in arranging for these organizations. (Offered in 1967-68 and in alternate years.)

MUSIC 311-312. MUSICAL FORM Mr. Eschman. 3

Analysis of the principal instrumental forms. Alternates with 331-332. (Offered in 1966-67 and in alternate years.)

MUSIC 313. HISTORICAL SURVEY OF SOLO VOICE LITERATURE

Mr. Larson. 3

A study of the development of Music for the voice with special emphasis on the solo song with keyboard accompaniment. (Offered in 1966-67 and alternate years.)

MUSIC 314. HISTORICAL SURVEY OF PIANO LITERATURE

Mr. Neumann. 3

A study of the development of keyboard Music from the 16th Century through Contemporary Music. (Offered in 1966-67 and in alternate years.)

MUSIC 315. HISTORICAL SURVEY OF CHAMBER MUSIC LITERATURE

Mr. Bellino. 3

A study of representative Chamber Music Literature with particular emphasis on the string quartet (but including other instrumental combinations) approached from an historical and stylistic viewpoint. (Offered in 1967-68 and in alternate years.)

METHODS IN MUSIC EDUCATION (See EDUCATION 315, 316.)

MUSIC 331-332. COUNTERPOINT Mr. Fischer. 3

A study of counterpoint, consisting of analysis of selected contrapuntal compositions, and written exercises in the styles of selected models (with emphasis mainly on the style of J.S. Bach). Prerequisites: 215-216 and some proficiency in piano playing. (Offered in 1967-68 and in alternate years.)

MUSIC 341-342. COMPOSITION Mr. Hunter. 3

Composition of vocal and instrumental works in strict and free styles. Prerequisites: 215-216 and some proficiency in piano or organ playing.

MUSIC 441-442. COMPOSITION Mr. Hunter. 3

Composition of a work of major proportions such as a sonata, quartet, symphony, or concerto. Prerequisite: 341-342.

MUSIC 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

Class Lessons in Applied Music

MUSIC 141. WOODWIND INSTRUMENTS CLASS Mr. Hunter. 1
Class instruction for the students majoring in Music Education.

MUSIC 142. BRASS INSTRUMENTS CLASS Mr. Hunter. 1
Class instruction for the students majoring in Music Education.

MUSIC 151-152. STRING INSTRUMENTS CLASS Mr. Bellino. 1
Class instruction for the students majoring in Music Education.

MUSIC 161-162. VOICE CLASS Mr. Larson. 1
Class lessons in voice. Recommended for the improvement of the speaking as well as the singing voice.

PRIVATE LESSONS IN KEYBOARD, VOICE, STRINGED AND WIND INSTRUMENTS (FOR CREDIT, see *Applied Music*.)
Instruction is in private lessons and the need of the individual student at any level of instruction is met.

Applied Music

CREDIT IN APPLIED MUSIC to a total of eight semester-hours may be obtained toward the B.A. degree by a major in any department. One credit is given for one lesson a week and one hour of practice a day. Two credits are given for two lessons a week and two hours of practice daily. The former will be given the name of the subject: Piano, etc., and the numbers 111-112, 211-212, 311-312, 411-412 depending upon the year of study. The two-hour credit courses will be numbered 121-122, 221-222, etc.

A student must register for Piano, Voice, Violin, Viola, Organ, Wind Instruments, or Violoncello; 131-132, 231-232, etc., three hours of credit, 141-142, 241-242, etc., four hours of credit. (In each case the first digit of the course-number indicates the year, the second the number of credits, and the third digit, the semester in which the course was taken.)

PHILOSOPHY

MR. HEPP (on leave, 1966-67), MR. BAYLEY, MR. SANTONI, MR. SCHAGRIN (on leave, 1966-67), MR. SPRINTZEN, MR. COFFIN

CHAIRMAN (1964-67), MR. HEPP

ACTING CHAIRMAN (1966-67), MR. SANTONI

COURSES IN THE DEPARTMENT are intended to help the student achieve for himself a reasoned perspective which brings the various fundamental interests and values of man into a balanced and integrated pattern of life. This aim is pursued through study of philosophical heritage, through an analysis of the nature of knowledge and of valuation, and through examination of the areas of enduring human concern and their interrelations.

Major in Philosophy

A MAJOR IN PHILOSOPHY requires 30 semester-hours including 105 or 312, 221, 331, 332, 333, 334, and two semesters of Seminars 431 and 432, and at least one additional course at the 400-level other than Honors. Through a broad choice of elective courses outside the department, a student majoring in Philosophy should acquire a well-rounded acquaintance with the basic areas of human experience and investigation.

A student majoring or planning to major in Philosophy should with the instructor's permission, enroll in Philosophy 332 or 334 the second semester of the sophomore year.

A student preparing for graduate study in Philosophy should have a reading knowledge of French or German by the beginning of the senior year and at least an elementary knowledge of the other before graduation.

PHILOSOPHY 101. BASIC ISSUES IN PHILOSOPHY

Messrs. Coffin, Sprintzen. 3

An understanding of the nature and function of Philosophy and of its relations to other fundamental human interests is sought through a consideration of representative philosophical problems as treated in selected writings of leading philosophers of the past and present. *This course satisfies the basic requirement in Philosophy or Religion.*

PHILOSOPHY 105. LOGIC

Mr. Bayley. 3

A study of the principles and problems involved in reasoning and in reaching conclusions. The course is divided into three parts: (1) the functions of language and the nature of meanings, (2) the structure of valid and invalid reasoning, and (3) an analysis of factual inquiry. *This course satisfies the basic recommendation in Logic or Mathematics.*

PHILOSOPHY 221. ETHICS

Mr. Sprintzen. 3

Analysis of ethical language and the concepts *right*, *good*, and *ought*. Methods of justifying ethical decisions and types of ethical value systems. Emphasis on the practical applications of ethical theories in terms of personal and social morality.

PHILOSOPHY 226. SOCIAL PHILOSOPHY

Mr. Sprintzen. 3

A study of the distinction between community and society, followed by a critical comparison of a personalistic social philosophy with communistic, socialistic, democratic, and individualistic social philosophies. Prerequisite: Sophomore standing or consent.

PHILOSOPHY 312. SYMBOLIC LOGIC

Mr. Bayley. 3

A study of the symbols used for analysis and deduction and the

Courses of Study

principles and methods basic to the construction of logistic systems. *This course satisfies the basic recommendation in Logic or Mathematics.* Prerequisite: Consent of instructor.

PHILOSOPHY 327. PHILOSOPHY OF CIVILIZATION 3

A seminar dealing with the sources of Western civilization and recent philosophies of civilization as set forth by Spengler, Schweitzer, Toynbee, Whitehead, Northop, and others. Prerequisites: Junior standing and consent of instructor.

PHILOSOPHY 331. HISTORY OF PHILOSOPHY Mr. Hepp. 3

Investigation of origins of Western philosophy and science, followed by first-hand study of philosophical classics from Plato and Aristotle to Augustine and Thomas Aquinas. Prerequisite: Junior standing or consent. (Offered in 1967-68 and in alternate years.)

PHILOSOPHY 332. HISTORY OF PHILOSOPHY Mr. Hepp. 3

Modern philosophies which have shaped the contemporary mind. First-hand acquaintance with the philosophical classics from Descartes to Kant. Prerequisite: Junior standing or consent. (Offered in 1967-68 and in alternate years.)

Dr. Santoni's seminar discusses current religious issues



PHILOSOPHY 333. 19TH CENTURY PHILOSOPHY Mr. Coffin. 3
Work of such philosophers as Hegel, Schopenhauer, Comte, J. S. Mill, Engels, Nietzsche, and Kierkegaard. Prerequisite: Junior standing or consent. (Offered in 1966-67 and in alternate years.)

PHILOSOPHY 334. CONTEMPORARY THOUGHT Mr. Coffin. 3
Present-day philosophical movements such as instrumentalism, process philosophy, logical positivism, linguistic analysis, and existentialism as set forth by men such as Russell, Dewey, Whitehead, Ayer, Ryle, Sartre, and Marcel. Prerequisite: Junior standing or consent. (Offered in 1966-67 and in alternate years.)

PHILOSOPHY 343. CHINESE PHILOSOPHY Mr. Hepp. 3
Philosophies of China from ancient times to the present, with emphasis on the classical period. Study of representative classics in translation and more recent philosophical literature. (Not offered in 1966-67.)

PHILOSOPHY 351. AMERICAN PRAGMATISM Mr. Coffin. 3
A study of the historical development of American pragmatism. Special attention will be given to those features of the philosophies of Peirce, James, and Dewey which make pragmatism a distinctive movement. Prerequisite: Junior standing or consent. (Offered in 1966-67 only.)

PHILOSOPHY 361-362. DIRECTED STUDY Staff. 3

PHILOSOPHY 401. PHILOSOPHY OF RELIGION Mr. Santoni. 3
An examination of the basic traditional argumentation in respect to God's existence and an inquiry into the contemporary problems of religious knowledge and religious language.

PHILOSOPHY 403. PHILOSOPHY OF SCIENCE Mr. Schagrin. 3
An examination of the nature of man's scientific interest and of philosophical issues arising out of work in the sciences. Prerequisites: Senior standing and either a major in Science or Philosophy or completion of basic requirements in Science. Open to qualified juniors by consent of instructor. (Not offered in 1966-67.)

PHILOSOPHY 405. PHILOSOPHY OF THE ARTS Mr. Sprintzen. 3
A seminar dealing with the nature of the various arts, of the creative process, and of aesthetic experience; the types of critical

Courses of Study

terminology; the nature and locus of aesthetic value; the ontology of art objects. Readings from representative aesthetic theorists in conjunction with examples from the various arts. Prerequisites: Junior standing and consent of instructor.

PHILOSOPHY 420. PHILOSOPHY OF EDUCATION Mr. Santoni. 3
An inquiry into the philosophical issues associated with education including such problems as *The School in Relation to Society* and *The Aims and Values of Education*. The educational philosophies of experimentalism, realism, idealism, and existentialism are critically evaluated. *Same as* EDUCATION 420.

PHILOSOPHY 431, 432. SEMINAR IN PHILOSOPHY Staff. 3
Specialized study in some restricted field of philosophic thought is undertaken, the specific subject varying from semester to semester depending upon the needs of the students and the interests of the group. The course may be repeated with credit. Prerequisites: Second-semester junior standing and Philosophy major or consent. *Topic for first semester, 1966-67: The Philosophy of Plato; second semester: The Philosophy of Nietzsche.*

PHILOSOPHY 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

PHYSICAL EDUCATION

MEN—MR. SEILS, MR. PIPER, MR. SHANNON (on leave, 1966-67), MR. R. S. SCOTT, MR. BARCLAY, MR. STENNETT, MR. GOOGINS, MR. URICK, MR. THOMSEN

CHAIRMAN (1965-67), MR. SEILS

WOMEN—MISS SHEPARD, MISS ROSS, MISS VANHORN, MISS O'BRIEN

CHAIRMAN (1965-68), MISS SHEPARD

Required Courses for Men

PHYSICAL EDUCATION 111-112 and 211-212 are required of all men during both semesters of the freshman and sophomore years. Each semester course earns one semester-hour of credit. Each stu-

student must also register for the Freshman Lecture course during the freshman year.

A student must show advanced standing in four out of five designated areas or take a beginning course in student-selected activities in four of the five areas. These required areas include Aquatics, Gymnastics, Outdoor Education, Team Sports, and Individual and Dual Sports. Details of the area activities, registration procedures, and departmental policies will be furnished each student at registration.

Any man who has had six months or more of military service prior to enrolling at Denison will be granted four semester-hours of credit to be recorded as Physical Education 111-112 and 211-212. If he attended college prior to his military service, he will be granted only enough additional credit in Physical Education to meet the graduation requirement of four semester-hours.

PHYSICAL EDUCATION 111-112 ACTIVITIES

Staff: 1

PHYSICAL EDUCATION 211-212 ACTIVITIES

Staff: 1

Residual Courses for Women

STUDENTS ARE REQUIRED to pursue courses in the department during their first, second and sophomore years until all standards are met. Following completion of the requirements, students may elect up to three additional credit-hours in Physical Education activity courses. The requirements are as follows:

The Standard Required Year in Theory



- 1 Satisfactory evidence of meeting beginning level proficiency standards.*
- 2 Satisfactory completion of one credit-hour in an advanced level Physical Education activity of the student's choice, or the option of two one-half credit intermediate courses—Physical Education 120.
- 3 Satisfactory completion of a two-hour credit course—Physical Education 151.

The department also recognizes the need for experiences in the achievement of excellence at the college level. Hence, attaining intermediate or advanced level skills is required for the granting of credit.

The department does not give pass or fail or letter grades for its activity courses. The standards set for course achievement become the evaluative measure for the granting or withholding of credit.

PHYSICAL EDUCATION 120. ACTIVITY COURSES (Program Areas and Components) Staff. 1-4

AREA I. AQUATICS

Basic skills, Intermediate and Advanced Skills, Senior Red Cross Life Saving, Diving, Scuba, Synchronized Skills and Water Ballet, Water Safety Instructors (Red Cross); Synchronized Swimming Club membership and Speed Club membership.

AREA II. DANCE AND GYMNASTICS

Dance—Ballet, Folk Dance, Modern Dance, Square Dance; Modern Dance Club membership. Gymnastics—Apparatus, Free Exercise, Trampoline, Tumbling.

AREA III. TEAM SPORTS

Basketball, Hockey, Lacrosse, Soccer-Speedball, Volleyball; Inter-scholastic Club team membership.

*The department recognizes the value of courses pursued in secondary school programs and the desirability of a variety of experiences in physical education activities. Therefore, a student must show at least beginning level skills only in one activity in four of the five program areas. If her high school record shows deficiency in meeting these standards, she will select one activity in the area(s) needed and take beginning level instruction without grade or credit.

dent must also register for the Freshman Lecture course during the freshman year.

A student must show advanced standing in four out of five designated areas, or take a beginning course in student-selected activities in four of the five areas. These required areas include Aquatics, Gymnastics, Outdoor Education, Team Sports, and Individual and Dual Sports. Details of the area activities, registration procedures, and departmental policies will be furnished each student at registration.

Any man who has had six months or more of military service prior to enrolling at Denison will be granted four semester-hours of credit to be recorded as Physical Education 111-112 and 211-212. If he attended college prior to his military service, he will be granted only enough additional credit in Physical Education to meet the graduation requirement of four semester-hours.

PHYSICAL EDUCATION 111-112. ACTIVITIES	Staff. 1
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PHYSICAL EDUCATION 211-212. ACTIVITIES	Staff. 1
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Required Courses for Women

STUDENTS ARE REQUIRED to pursue courses in the department during their freshman and sophomore years until all standards are met. Following completion of the requirements, students may elect up to three additional credit-hours in Physical Education activity courses. The requirements are as follows:

Dr. Shepard teaching class in theory



Courses of Study

1. Satisfactory evidence of meeting beginning level proficiency standards.*
2. Satisfactory completion of one credit-hour in an advanced level Physical Education activity of the student's choice, or the option of two one-half credit intermediate courses—Physical Education 120.
3. Satisfactory completion of a two-hour credit course—Physical Education 151.

The department also recognizes the need for experiences in the achievement of excellence at the college level. Hence, attaining intermediate or advanced level skills is required for the granting of credit.

The department does not give pass or fail or letter grades for its activity courses. The standards set for course achievement become the evaluative measure for the granting or withholding of credit.

PHYSICAL EDUCATION 120. ACTIVITY COURSES (Program Areas and Components) Staff. 1-4

AREA I. AQUATICS

Basic skills, Intermediate and Advanced Skills, Senior Red Cross Life Saving, Diving, Scuba, Synchronized Skills and Water Ballet, Water Safety Instructors (Red Cross); Synchronized Swimming Club membership and Speed Club membership.

AREA II. DANCE AND GYMNASTICS

Dance—Ballet, Folk Dance, Modern Dance, Square Dance; Modern Dance Club membership. Gymnastics—Apparatus, Free Exercise, Trampoline, Tumbling.

AREA III. TEAM SPORTS

Basketball, Hockey, Lacrosse, Soccer-Speedball, Volleyball; Inter-scholastic Club team membership.

*The department recognizes the value of courses pursued in secondary school programs and the desirability of a variety of experiences in physical education activities. Therefore, a student must show at least beginning level proficiency in one activity in four of the five program areas. If her high school record shows deficiency in meeting these standards, she will select an activity in the area(s) needed and take beginning level instruction without grade or credit.

AREA IV. INDIVIDUAL AND DUAL SPORTS

Archery, Bowling, Fencing, Golf, Tennis; Interscholastic Club team membership.

AREA V. OUTDOOR EDUCATION

Outing and Campcraft, Recreational Games Leadership Training, Riding, Skiing. (Archery may count in Area IV or in Area V, but not in both.)

PHYSICAL EDUCATION 151. FOUNDATIONS OF PHYSICAL EDUCATION

Staff. 2

A selective survey of the foundation elements of Physical Education, Health Education, and Recreation; the interrelationships of these areas; the personal and social implications in the study of the arts of human movement.

Major in Health and Physical Education

FOR A STUDENT desiring to become a teacher of Health and Physical Education in public or private schools advanced courses are offered.

Departmental requirements for the State Provisional High School Certificate valid for teaching this subject in grades 7-12 include 30 semester-hours.

A man majoring in the department must also participate on at least two varsity sports' squads or serve as a service class assistant for two semesters or as an assistant intramural manager for two semesters.

Women students majoring or minoring in the department may earn further credits in activity courses by registering in the junior or senior years for Physical Education 311-312 with the consent of the departmental chairman. Such students also must participate in student teaching under staff supervision in a required Physical Education program.

The 30-hour requirement includes Biology 201, 4 hours; and the following Physical Education courses: 319w-320w (women) or 319m-320m (men), 3 hours each semester; 248 and 352, each 4 hours; and 263, 443, 445, and 463, all 3 hours.

Students majoring or minoring in the department may earn

Courses of Study

credit in the junior year by enrolling for 311-312 with the consent of the departmental chairman.

Major in Physical Education (Emphasis in Dance)

See DANCE

Course Plan for Majors

PHYSICAL EDUCATION 124. CAMPING AND OUTDOOR EDUCATION

Miss Ross. 2

The summer camp as an educational and recreative agency. Designed to prepare students for counselorship.

PHYSICAL EDUCATION 201. HUMAN ANATOMY AND PHYSIOLOGY 4

(Same as Biology 201.)

PHYSICAL EDUCATION 215. INTRODUCTION TO COMMUNITY RECREATION

Miss Shepard. 3

An introductory course in the principles, organization, and administration of community recreation.

PHYSICAL EDUCATION (MEN) 235m-236m. SPORTS OFFICIATING

Mr. Scott. 2

Methods and techniques of officiating both interscholastic and intramural athletic contests. Football and basketball units are designed to prepare students for the State of Ohio officials' examination. Two hours each of theory and of laboratory are given. Prerequisite: Sophomore standing.

PHYSICAL EDUCATION 248. PERSONAL AND COMMUNITY HYGIENE

Mr. Seils. 4

Prerequisites: Biology 101, and 150 or 201.

PHYSICAL EDUCATION 263. INTRODUCTION TO THE PRINCIPLES

OF PHYSICAL EDUCATION

Miss Shepard. 3

PHYSICAL EDUCATION 311-312. ACTIVITIES ENRICHMENT

Staff. 1

Activity courses available only to junior or senior students majoring or minoring in the department. These activity enrichment courses are designed to aid the student in developing personal skills in program areas of deficiency or weakness.

Denison University Bulletin

PHYSICAL EDUCATION (WOMEN) 319w-320w. SPORTS

TECHNIQUES

Miss Ross, Miss VanHorn. 3

Methods and materials for teaching the various team, individual, and dual sports in season.

PHYSICAL EDUCATION (MEN) 319m. SPORTS TECHNIQUES

Mr. Piper, Mr. Scott. 3

Methods and materials for teaching football and basketball. (Offered in alternate years.)

PHYSICAL EDUCATION (MEN) 320m. SPORTS TECHNIQUES

Mr. Shannon, Mr. Stennett. 3

Methods and materials for teaching track and baseball. (Offered in alternate years.)

PHYSICAL EDUCATION 352. PHYSICAL EDUCATION FOR THE
ELEMENTARY AND HIGH SCHOOL PROGRAMS

4

(Same as Education 352.)

PHYSICAL EDUCATION 361-362. DIRECTED STUDY

Staff. 3

PHYSICAL EDUCATION 443. PHYSIOLOGY OF EXERCISE AND KINESIOLOGY

Miss Ross. 3

Prerequisite: Biology 201.

PHYSICAL EDUCATION 444. ADAPTIVE PHYSICAL EDUCATION

Miss Ross. 2

Individual or adapted physical education, including corrective, restricted, and therapeutic activities, their teaching, and administration. Prerequisite: 443.

PHYSICAL EDUCATION 445. SCHOOL HEALTH EDUCATION

3

(Same as Education 445.)

PHYSICAL EDUCATION 461-462. INDIVIDUAL WORK FOR HONORS

Staff. 3

PHYSICAL EDUCATION 463. PRINCIPLES, ORGANIZATION, AND ADMINISTRATION

Miss Shepard. 3

*Dr. Wheeler instructs
class in General Physics*



PHYSICS

MR. WHEELER, MR. GAMBLE, MR. GRANT, MR. LARSON, MR. WINTERS

CHAIRMAN (1966-69), MR. WHEELER

JUNIOR FELLOW, MR. W. SANFORD STOWE

Major in Physics

THE ENTERING STUDENT desiring to major in Physics or Astronomy or related fields should elect in his freshman year either Physics 121-122 or Physics 221-222 and Mathematics 121-122 or an appropriate Honors course. Students with modest preparation in these subjects normally register for Physics 121-122 and Mathematics 121-122, and those with strong preparation, particularly in Mathematics, should elect Physics 221-222 and the Mathematics course at the level consistent with the student's attainments. The student is encouraged to consult with a member of the department before registration.

Students preparing for graduate work in Physics should elect 331-332, 311-312, 321-322, 421-422, 411, and 414 and work for Individual Honors and at least two additional years of Mathematics. A year or more of another science is desirable, as is a reading knowledge of two Modern Languages (French, German, or Russian).

Students preparing for graduate work in Astronomy, Astrophysics, or Space Physics should elect Physics 331-332 and Astronomy 111-112 as sophomores, followed by Physics 321-322, 421-422, 411, and 414 and work for Individual Honors in Astronomy, as well as the suggested related courses listed above. (*Note: Graduate departments in these fields much prefer strong undergraduate*

preparation in Physics and Mathematics to weaker preparation in these fields occasioned by too many undergraduate level Astronomy courses.)

The minimum requirements for the major in Physics beyond the introductory courses are Physics 331-332 followed by Physics 321-322 and at least eight additional semester-hours in Physics and one additional year of Mathematics.

A major in Physics is desirable for students preparing for careers in medicine, law, business, industrial management, or secondary school teaching.

Considerable flexibility exists in the major program to suit the needs and goals of the individual student.

PHYSICS 121-122. GENERAL PHYSICS Staff. 4

This course is designed to provide a thorough quantitative coverage of the foundations and concepts of Physics and its approach toward an understanding of natural phenomena. The course includes a significant introduction to the Physics of the 20th Century. Five lectures and one two-hour laboratory each week. Mathematics 121-122 must be taken concurrently unless the departmental chairman gives consent to enroll without it.

PHYSICS 221-222. MODERN ANALYTICAL PHYSICS Staff. 4

A course in General Physics with emphasis on an analytical formulation of the concepts and methods of Physics, and with applications drawn from the active fields of modern Physics. Five lectures and one two-hour laboratory each week. Open to freshmen with strong high school Mathematics and Physics. Prerequisite: Mathematics 121-122, 211-212, or 221-222 or concurrent registration.

PHYSICS 311-312. EXPERIMENTAL PHYSICS Staff. 3

A course in the theory and practice of physical research with emphasis on the understanding and use of present-day research instrumentation. Prerequisite: 122 or 222.

PHYSICS 321-322. INTRODUCTORY MATHEMATICAL PHYSICS Staff. 3

An introductory course in classical mathematical Physics designed

Courses of Study

to provide the student with a comprehensive foundation for modern theoretical Physics. Three lectures each week. Prerequisite: Junior standing or consent.

PHYSICS 331-332. MODERN PHYSICS Staff. 3

An intensive quantitative survey of the active fields of present-day Physics. Three lectures each week. Prerequisite: 122 or 222.

PHYSICS 340. ADVANCED LABORATORY Staff. 1-2

Selected experiments designed to supplement the work in advanced courses. One 3-hour laboratory each week for each semester-hour of credit. May be taken for a maximum of four semester-hours of credit. Prerequisite: Junior standing.

PHYSICS 361-362. DIRECTED STUDY Staff. 3

PHYSICS 411. THERMOPHYSICS Staff. 3

This course covers selected topics from thermodynamics, kinetic theory, and statistical methods. (Not offered in 1966-67.)

PHYSICS 414. INTRODUCTORY QUANTUM MECHANICS Staff. 3

A first course in Quantum Mechanics including solutions of the Schroedinger Equation for some elementary systems, followed by an introduction to the more abstract methods of Quantum Mechanics. (Not offered in 1966-67.)

PHYSICS 421-422. ELECTRICITY, MAGNETISM, AND ELECTROMAGNETIC WAVES Staff. 3

Sources and descriptions of electric and magnetic fields and their interactions. Maxwell's equations of the electromagnetic field with applications to physical and microwave optics. Three lectures a week. Prerequisite: Senior standing or consent of departmental chairman.

PHYSICS 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

TEACHING OF SCIENCE (See EDUCATION 311.)



Dr. Wolf acknowledges question on student-conducted demonstration of a rat's behavior

PSYCHOLOGY

MR. WOLF, MR. LONDON, MR. STEINMAN, MR. MORRIS, MR. MCMICHAEL, MR. OTIS, AND OTHERS (PART-TIME)

CHAIRMAN (1964-67), MR. WOLF

Major in Psychology

A MAJOR IN PSYCHOLOGY requires a minimum of 30 semester-hours of credit in Psychology including 101, 313, 315a, 315b, 413, 414, and 441. In addition, one of the following units is required: 317a and 317b, 319a and 319b, or 317a and 319a. The student then should select electives from regular offerings in Psychology. Ordinarily Directed Study, Minor Problems, or Honors courses will not be counted toward the minimum hours requirement.

A student contemplating graduate work in Psychology should obtain a reading knowledge of at least one foreign language, preferably French or German, and should also enroll in courses in Mathematics, Biology, Physics, Sociology, Philosophy, etc. as advised, to meet individual needs.

Some students will be interested in Personnel Administration to obtain an understanding of personnel policies and practices applicable in business and industry and in the field of education. For such a concentration, students will take the required courses listed above and will be advised regarding the appropriate electives in Psychology and courses in some of the following areas: Economics, Education, Government, Sociology, Speech.

Psychology 101 is prerequisite to all other courses in this department.

PSYCHOLOGY 101. GENERAL PSYCHOLOGY Staff. 3

A survey of topics in Psychology, with emphasis on the scientific study of human and animal behavior. The course includes the topics of motivation, learning, sensation and perception, personality, individual differences, and abnormal behavior. Lecture, laboratory, demonstration, and outside reading are integrated to study behavior ranging from conditioned reflexes to creative and social behavior. (Offered each semester.)

PSYCHOLOGY 217. CHILD AND ADOLESCENT DEVELOPMENT

Mr. Morris. 3

Psychological development especially during the school years. Also listed as EDUCATION 217. (Offered each semester.)

PSYCHOLOGY 226. THEORIES OF PERSONALITY

Mr. London, Mr. Smith, Mr. Tritt. 3

Covers major theories of personality with intensive study of at least one theory.

PSYCHOLOGY 313. PSYCHOLOGICAL MEASUREMENTS

Mr. London, Mr. Otis. 4

An introduction to techniques of measurement. Special emphasis is placed on probability and sampling theory, tests of significance, analysis of variance, and principles of statistical control in experimentation.

PSYCHOLOGY 314. PSYCHOLOGICAL TESTS AND MEASUREMENTS

Mr. London. 2

Application of individual and group tests.

PSYCHOLOGY 315a. LEARNING AND MOTIVATION: LECTURE

Mr. McMichael, Mr. Steinman. 2

Experimental approach to problems of human and animal learning and motivation. May be taken concurrently with 313 and 315b.

PSYCHOLOGY 315b. LEARNING AND MOTIVATION: LABORATORY 2

Offers the student actual research experience in a variety of experimental situations. May be taken concurrently with 315a, or by consent.

PSYCHOLOGY 317a. SENSATION AND PERCEPTION: LECTURE

Mr. Otis. 2

Covers current theory and research in sensation and perception.

PSYCHOLOGY 317b. SENSATION AND PERCEPTION: LABORATORY 2

Application of research techniques to problems in sensation and perception. May be taken concurrently with 317a, or by consent.

PSYCHOLOGY 319a. PHYSIOLOGICAL PSYCHOLOGY: LECTURE

Mr. Steinman. 2

Covers current theory and research in physiological psychology with special emphasis on the physiological bases of motivation, learning, and sensation.

PSYCHOLOGY 319b. PHYSIOLOGICAL PSYCHOLOGY: LABORATORY 2

Covers research techniques in physiological psychology through practical application to experimental problems. May be taken concurrently with 319a, or by consent.

PSYCHOLOGY 338. SOCIAL PSYCHOLOGY

Mr. London. 3

Individual behavior as it is influenced by cultural forces.

PSYCHOLOGY 339. PHYSIOLOGICAL PSYCHOLOGY Mr. Steinman. 3

A study of the physiological mechanisms of behavior. Prerequisite: Biology 101 or consent of instructor.

PSYCHOLOGY 345-346. MINOR PROBLEMS

Staff. 2-3

Independent work on selected topics under the guidance of staff members. Consent of instructor.

Courses of Study

PSYCHOLOGY 361-362. DIRECTED STUDY Staff. 3

PSYCHOLOGY 411. ABNORMAL PSYCHOLOGY Mr. Wolf. 4
Psychopathology: Its development, course, and treatment with emphasis upon prevention and cure.

PSYCHOLOGY 413. HISTORY OF PSYCHOLOGY Mr. Lichtenstein. 3
A review of the history of psychological thought and theory.

PSYCHOLOGY 414. SYSTEMATIC PSYCHOLOGY Mr. Lichtenstein. 3
A study of the schools of psychological thought and theory.

PSYCHOLOGY 417. INDUSTRIAL PSYCHOLOGY Mr. McMichael. 3
Psychological principles and methods as they contribute to the solution of industrial problems. Prerequisite: 341.

PSYCHOLOGY 441. ADVANCED GENERAL PSYCHOLOGY Mr. Wolf. 3
Designed to integrate the student's knowledge of Psychology.

PSYCHOLOGY 445-446. MINOR PROBLEMS Staff. 2-3
Independent work on selected topics under the guidance of staff members. Consent of instructor.

PSYCHOLOGY 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

RELIGION

MR. MARTIN, MR. LEE O. SCOTT, MR. EISENBEIS (on leave, 1966-67), MR. WOODYARD (PART-TIME), MR. GIBBONS (PART-TIME), MR. ROBERT MONTGOMERY (PART-TIME)
CHAIRMAN (1966-67), MR. LEE O. SCOTT

Major in Religion

AMONG THE 24 SEMESTER-HOURS of credit for a major in this department 211, 212, 213, 214, 301, and 303 are required.

The major in Religion is a general liberal arts major, rather than a preparation for professional service. A student who plans to attend a theological seminary is advised, however, to take at least 12 hours of Religion during his undergraduate course. Especially recommended are 211, 212, 213-214, 301, 303, and 317.

A pre-theological student should consult with members of the department in regard to preparation for seminary studies.

RELIGION 101. BASIC CHRISTIAN BELIEFS Mr. Scott. 3

An analysis of selected Jewish and Christian beliefs in the light of present knowledge and intellectual movements. Crucial beliefs about God and creation, Christ and human nature, and the Kingdom of God and history will be examined; also the problem of personal identity, the nature of religious language, and the problem of religious knowledge.

RELIGION 102. RELEVANCE OF THE BIBLE FOR THE MODERN WORLD Mr. Eisenbeis. 3

A study of the contents, literature, background, and message of the Bible, both historically and in its relation to the problems of modern man.

RELIGION 103. WORLD RELIGIONS Mr. Martin. 3

A study of varying approaches to religion, as seen in existing religious systems. A survey of primitive religions, Western religions (Zoroastrianism, Judaism, Christianity, and Islam), and Eastern religions (Hinduism, Buddhism, Taoism, and Confucianism).

RELIGION 211. INTRODUCTION TO THE OLD TESTAMENT Mr. Eisenbeis. 3

Orientation to the study of the Bible: An introduction to the history, literature, and religion of the Old Testament.

RELIGION 212. INTRODUCTION TO THE NEW TESTAMENT Mr. Eisenbeis. 3

An introduction to the religion and literature of the New Testament; the rise of the Christian Church.

RELIGION 213-214. HISTORY OF CHRISTIAN THOUGHT Mr. Martin. 3

A survey of the development of Christianity from the apostolic church through the Middle Ages (first semester), and from the Reformation to the present time (second semester). The rise of the principal theological ideas, the changing concept of the church, trends and movements within Christianity, and changing attitudes toward ethical problems, such as war, the state, the family, and property.



Dr. Scott leads seminar discussion

RELIGION 218. CONTEMPORARY AMERICAN RELIGIOUS GROUPS

Mr. Martin. 3

A survey of the development of religion in America; the rise of the major denominations and representative sects, with reference to their origin, organization, and faith and practice; a study of movements such as Fundamentalism, the Social Gospel, and the Ecumenical Movement.

RELIGION 301. CHRISTIAN ETHICS

Mr. Scott. 3

A critical study of the fundamentals of Christian morality as represented in contemporary Christian authors. Recommended is 213-214.

RELIGION 303. CONTEMPORARY RELIGIOUS THOUGHT

Mr. Scott. 3

A study of the principal contemporary forms of Christian and Jewish theology with reference to such basic issues as the doctrine of God, the Person of Christ, the nature of man, and the nature of the religious community.

RELIGION 304. EXISTENTIALIST THEOLOGY

Mr. Scott. 3

A study in depth of a major contemporary theologian. The writer's major works will be read and analyzed. (Offered in 1966-67.)

RELIGION 308. NEW TESTAMENT STUDIES Mr. Eisenbeis. 3
Studies in depth of New Testament subjects: a book such as Romans or one of the Gospels, problems of New Testament research, the problem of the historical Jesus, various concepts of New Testament theology, problems in New Testament literature, or the influence of Judaism and Hellenism on the New Testament.

RELIGION 309. OLD TESTAMENT STUDIES Mr. Eisenbeis. 3
Studies in depth of Old Testament subjects: the Old Testament in relation to the Ancient Near East (Archaeology), an Old Testament book such as Job, problems of Old Testament literature, form criticism, literary problems, Hebrew Poetry, concepts of Old Testament theology, or history and culture of Israel.

RELIGION 311. CHRISTIAN CLASSICS Mr. Martin. 3
A careful study of selected writings which have expressed classical forms of the Christian faith, which have significantly influenced the development of Christian thought. Such works as Augustine's *Confessions*, Luther's *Lectures on Romans*, and Kierkegaard's *Fear and Trembling*, will be read.

RELIGION 317. HINDUISM AND BUDDHISM Mr. Martin. 3
Intensive study of Hinduism and Buddhism. Emphasis is placed on the mythological, theological, and philosophical bases of these religious systems. Readings are primarily in texts in translation.

RELIGION 324. SEMINAR IN RELIGION AND PSYCHOLOGY Mr. Woodyard. 4
A study of the inter-relationships between contemporary Christian and psychological interpretations of the nature of man, the self, freedom and determinism, and human destiny. Prerequisites: Junior standing and consent of instructor.

RELIGION 336. RELIGION AND CULTURE Mr. Martin. 3
The relationship between historic religions and the cultures in which they come to expression. Attention is given to Christianity as compared with Hinduism and Buddhism; the relation of religion to language, the arts, and other aspects of culture.

RELIGION 361-362. DIRECTED STUDY 3

PHILOSOPHY OF RELIGION (See PHILOSOPHY 401.)

RELIGION 461-462. INDIVIDUAL WORK FOR HONORS 3



Sociology research team receives instructions from Dr. D. G. Dean

SOCIOLOGY

MR. MITCHELL, MR. VALDES, MR. D. G. DEAN, MRS. WALUM,
MRS. WATSON (PART-TIME), MR. RANSOPHER (PART-TIME)

CHAIRMAN (1965-68), MR. DEAN

Major in Sociology

THE MAJOR IN SOCIOLOGY is designed for those whose interest is primarily a liberal education, as preparation for those who anticipate entering social work or government service, and for those who expect to pursue graduate study in Sociology leading to a teaching or research career.

A major in Sociology shall earn a minimum of 30 semester-hours of credit in Sociology, including Sociology 207, 301, 416, and 420 and Mathematics 107 or the equivalent. For a broader background in the Social Sciences, he is required to earn credits in Economics 211 and Government 211 and nine additional semester-hours in related fields, in consultation with his adviser.

SOCIOLOGY 201. EDUCATION FOR MARRIAGE AND FAMILY LIFE

Mr. Dean. 3

An analysis of marriage and the family within the framework of sociological theory, together with a discussion of such practical topics as courtship, parenthood, family finances, in-law relationships, aging, and the family in the larger community. Prerequisite: 207 or consent of instructor. Offered both semesters.

SOCIOLOGY 207. FOUNDATIONS OF SOCIAL LIFE Staff. 4

An introduction to the science of group relationships, with emphasis on the topics of culture, society, personality, role, social class, ecology, community organizations, social institutions, social control, and deviance. Offered both semesters.

SOCIOLOGY 208. HUMAN ECOLOGY Staff. 3

Population distribution, composition and growth, and its bearing on current economic, political, and social problems.

SOCIOLOGY 209. SOCIAL PROBLEMS AND SOCIAL POLICY

Mr. Valdes. 3

A critical analysis of selected current social problems, such as mental health, automation, and civil rights, within the framework of certain sociological approaches such as conflict of values. Not open to those with 10 or more hours of Sociology. Prerequisite: 207 or consent of instructor. Offered second semester.

SOCIOLOGY 301. SOCIAL RESEARCH METHODS Mrs. Walum. 4

Experience in the design and implementation of social research; current techniques of collecting, analyzing, interpreting, and reporting data. *Required of Sociology majors.* Prerequisites: 207 and Mathematics 107 or equivalent. Offered first semester.

SOCIOLOGY 307. URBAN SOCIOLOGY Mrs. Walum. 4

Comparative and interrelated study of urban life considering the physical, institutional, social, cultural, and economic factors of modern living. Prerequisite: 207. Offered first semester.

SOCIOLOGY 308. INTRODUCTION TO SOCIAL WORK

Mr. Ransopher. 3

A survey course including a history of social welfare, an analysis of public welfare administration, private agencies, and a descriptive comparison of the methods of social work, casework, group work, and community organization. Prerequisite: 207. Offered first semester.

SOCIOLOGY 309. SOCIAL CASEWORK Mr. Ransopher. 3

An introduction to the principles of social casework. Lectures and discussions regarding the development of social casework, relationship theory, the *case study* method, interviewing methods, and the study and use of social process. Case materials and field trips will be used. Prerequisite: 308 or consent of instructor. Offered second semester.

Courses of Study

SOCIOLOGY 311. CRIMINOLOGY

Mr. Mitchell. 3

A study of the phenomenon of crime in American society as to amount, the varying rates in terms of area of residence, age, social class, and occupational group, and the causes and the treatment of criminal behavior. Prerequisite: 207. Offered first semester.

SOCIOLOGY 312. RACE PROBLEMS IN THE UNITED STATES

Mr. Mitchell. 4

Anthropological, social psychological, and sociological interpretations of racial and ethnic prejudice and discrimination. Prerequisite: 207. Offered both semesters.

SOCIOLOGY 313. THE FAMILY

Mr. Dean. 3

A structural-functional analysis of the family as an institution; its inter-relationships with other social institutions; changing economic and social functions of the family as seen in historical and cultural perspective. Prerequisite: 207. Offered both semesters.

SOCIOLOGY 314. FAMILY PROBLEMS

Mr. Dean. 3

Emphasis is on the social-psychological aspects of inter-personal relationships within the family. The content is case-history oriented. Prerequisite: 201 or consent of instructor.

SOCIOLOGY 315. COMMUNITY ORGANIZATION

Staff. 3

A study of natural and interest groupings within the community; analysis of community structure and the problems of community organization; the formation and analysis of programs for making effective community services and institutions.

SOCIOLOGY 317. THE SOCIOLOGY OF RELIGION

Mrs. Walum. 4

A study of the structure and function of religious behavior and the relationship of religion with other institutional areas in a society. Prerequisite: 207. Offered second semester.

SOCIOLOGY 318. EDUCATIONAL SOCIOLOGY

Mr. Valdes. 2

Prerequisite: 207 or Education 217. (Same as EDUCATION 318.)

SOCIOLOGY 330. GENERAL ANTHROPOLOGY

Mr. Valdes. 3

A descriptive, comparative, and generalizing study of man and his culture. No prerequisite. Offered second semester.

SOCIOLOGY 340. COLLECTIVE BEHAVIOR Mr. Dean. 3

A seminar covering such topics as authoritarianism, alienation, attitudes, conformity, group dynamics, role, leadership, values, collective behavior, and social movements in the mass society. Prerequisites: 15 semester-hours of Psychology and Sociology (any combination). Offered second semester.

SOCIOLOGY 361-362. DIRECTED STUDY Staff.

Credit earned will be determined by departmental evaluation.

SOCIOLOGY 405. SOCIOLOGY OF THE PRE-SCHOOL CHILD

Mrs. Watson. 3

Introduction to principles and theories underlying education for the pre-school child and to techniques of observing young children and working with them as individuals and in groups. Two hours each week will be spent in the Granville Nursery School. Prerequisites: 15 semester-hours of Psychology and Sociology (in any combination, but must include Psychology 217 and Sociology 201 or 313). Offered both semesters.

SOCIOLOGY 415. HUMAN RELATIONS IN INDUSTRY

Mr. Mitchell. 3

A study of the organization and characteristics of modern industrial societies, of the effects of technology on industrial environments, and of the behavior of formal and informal groups in industry. The methodology of social research for analyzing and resolving group tensions in industry. Prerequisite: 207. Offered second semester.

SOCIOLOGY 416. SOCIOLOGICAL THEORY

Mrs. Walum. 3

Analyses of central theoretical questions of Sociology, drawing upon the theories of major sociologists from Comte to the present. Open only to majors or by consent of instructor. Offered both semesters.

SOCIOLOGY 420. SEMINAR

Mr. Mitchell. 3

Advanced study of special problems suggested by courses already taken. Open only to majors.

SOCIOLOGY 450-451. SENIOR RESEARCH

Staff. 3

Directed study leading to consideration for Honors.

SOCIOLOGY 461-462. INDIVIDUAL WORK FOR HONORS

Staff. 3

Dr. Dresser, Dr. Crocker, Mr. Hall



SPEECH

MR. CROCKER, MR. MARKGRAF, MR. DRESSER (on leave first semester, 1966-67), MR. HALL, MISS FLEMING (first semester)
CHAIRMAN (1966-67), MR. CROCKER

Major in Speech

A STUDENT MAJORING IN SPEECH shall elect a minimum of 24 semester-hours of credit in Speech 225, 312, 331, and 309 or Education 339, and other courses which will be suggested to conform to the needs of the individual student.

SPEECH 101. PUBLIC SPEAKING

Staff. 2

A study of the principles governing the formulation, organization, and extemporaneous oral communication of ideas, with intensive practice in their application.

SPEECH 113-114. ORAL READING

Mr. Markgraf. 3

Not open to students who have received credit in Theatre Arts 113 or 114.

SPEECH 211-212. ADVANCED PUBLIC SPEAKING

Mr. Crocker. 3

SPEECH 218. SPEECH COMPOSITION

Mr. Dresser. 3

A study of the principles governing the organization, testing, and communication of ideas. Emphasis is placed on methods by which abstract concepts can be made vivid and relationships between concepts communicated to a listener.

SPEECH 219. INTERCOLLEGIATE DEBATING

Mr. Markgraf. 2

An intensive investigation and analysis of the national intercollegiate debate question leading to the formulation, testing, and presentation of argument pertaining to it. Emphasis is placed on developing the ability to reason cogently under psychological pressure. All students will participate in intercollegiate debates. (A total of six hours in debating may be counted toward graduation.)

SPEECH 220. DISCUSSION AND DEBATE Mr. Crocker. 3
How to lead and take part in group discussions. Parliamentary law, conferences, discussion, argumentation.

SPEECH 221. BUSINESS AND PROFESSIONAL SPEAKING Mr. Crocker. 3
Advanced public speaking. Prepared speeches appropriate to business and professional life. Consent of instructor.

SPEECH 225. INTRODUCTION TO BROADCASTING Mr. Hall. 3
The history of radio and television development; a study of the structure of broadcasting; comparative study of broadcasting practices in other countries; the objectives of radio and television as a social force and cultural influence; a study of program types; and the analysis of existing programs aimed toward the development of acceptable standards for broadcasting. Prerequisite: 101 or its equivalent.

SPEECH 226. RADIO WORKSHOP Mr. Hall. 3
Comprehensive lecture-laboratory course covering the basic techniques of radio acting, writing, announcing, and directing. Prerequisites: 225 and consent of instructor.

SPEECH 227. RADIO PRODUCTION PROCEDURES Mr. Hall. 3
Lecture-laboratory course in the production of complex program types; study of production problems, techniques, and procedure. Actual production from initiation to airing. Prerequisite: Consent of instructor.

SPEECH 228. TELEVISION PRODUCTION 3
Analysis of television as a mass communication medium incorporating a study of program types, their structure, and essential characteristics. The creation and writing of programs for television is stressed, as well as the study of production problems and techniques.

SPEECH 229. CONTEMPORARY TELEVISION Mr. Hall. 2
During spring vacation a trip to the four major networks in New York is made to observe station operation, studio arrange-

Mr. Hall
directs radio
drama



ments, the production of various types of programs from rehearsal through performance, and the production of television programs. Study of network operational policies and procedure precede the trip; a written report of the trip is required. Estimated cost of trip, exclusive of tuition, \$75 to \$100. Prerequisite: Consent of instructor.

SPEECH 309. SEMINAR IN SPEECH

Mr. Crocker. 2

Readings and reports in the six areas of Speech.

SPEECH 312. RHETORICAL THEORY

Mr. Crocker. 2

Historical and critical survey of the principal theories of speech composition and delivery from Aristotle to the present time, with special emphasis on the classical period.

SPEECH 329. APPLIED PHONETICS

Mr. Hall. 3

A study of significant speech sounds and the application of phonetic concepts to both normal and aberrant speech for evaluative purposes. *Required of speech majors planning to specialize in speech therapy.*

SPEECH 330. VOICE AND DICTION

Mr. Hall. 3

A lecture-laboratory course designed to further the student's mastery of English speech.

SPEECH 331. INTRODUCTION TO SPEECH CORRECTION

Mr. Hall. 4

The relation of Speech to mental hygiene; an introduction to phonetics and to the study of speech disorders; types, characteristics, diagnosis, and theories of treatment.

SPEECH 361-362. DIRECTED STUDY IN SPEECH OR RADIO

Staff. 3

SPEECH 461-462. INDIVIDUAL WORK FOR HONORS

Staff. 3

TEACHING OF SPEECH (See EDUCATION 339.)



Professor Brasmer leads Theatre History discussion

THEATRE ARTS

MR. WRIGHT (on leave, 1966-67), MR. BRASMER, MR. R. G. SMITH (on leave, 1966-67), MR. STOUT, MR. P. S. HOFFMAN, MISS MICHAELS

CHAIRMAN (1965-68), MR. BRASMER

Major in Theatre Arts

A CANDIDATE FOR THE BACHELOR OF ARTS in Theatre Arts degree shall elect 30-36 semester-hours of credit. Among the courses should be 111-112, 113 or 227-228, 215-216, 224 or 301, 317, 323, 326, and 415 with additional hours in other courses representing acting, technique or theory, and criticism. Required courses in allied fields are English 215 and 330.

The candidate for the Bachelor of Fine Arts degree in Theatre Arts will, in four years, choose a minimum of 40 hours from the regular Theatre courses. An additional 6-16 hours in Theatre will be arranged with each individual student in accordance with his particular needs or talents.

In the freshman year the Bachelor of Fine Arts candidate should carry the second year of the foreign language carried in high school or French 111-112. Theatre courses should be Theatre Arts 111-112, 113, and 227-228.

Major in Theatre Arts (Emphasis in Dance)

See DANCE

Combination majors with Theatre Arts and other departments can be arranged by special permission.

THEATRE ARTS 101. DRAMATIC INTERPRETATION Staff. 2

Dramatic interpretation of the best literature, poetry, essays, drama, narrative with an emphasis on voice and diction and the projection of emotional and intellectual meanings to the audience.

THEATRE ARTS 103. FORMS OF THEATRE ARTS Mr. Brasmer. 3

Basic study of the history and the elements involved in theatre production (stage, motion pictures, and television). Designed to increase the appreciation of the theatregoer as spectator rather than as active participant in the production.

THEATRE ARTS 105. FORMS OF THEATRE ARTS Mr. Stout. 3

Follows general plan of 103 but, as a substitute for some reading, the student will participate actively in various phases of production. Designed for the student with experience or interest in working with university plays or, later, in community theatres.

THEATRE ARTS 111-112. INTRODUCTION TO THE THEATRE

Mr. Brasmer. 3

Follows general plan of 103 and 105 but designed for majors in theatre arts. Theory and practice in theatre history, production, and all aspects of the area. To determine strength and weakness of prospective majors. *Both semesters are required.*

THEATRE ARTS 113. DRAMATIC INTERPRETATION Miss Michaels. 3

A student majoring in Theatre Arts may substitute this course for 101. Intensive work on individual voice and diction problems and the dramatic interpretation of the intellectual and emotional content of the best literature in essays, narratives (stories and dialects), dramas, and poetry. *Not open to students who have had Speech 113 or 114.*

THEATRE ARTS 114. ADVANCED DRAMATIC INTERPRETATION

Miss Michaels. 3

An elective to follow 113, this course places emphasis on developing an individual platform personality and the building of a repertoire. *Not open for credit to students who have received credit in Speech 114.*

THEATRE ARTS 115, 116, 117. THEATRE PARTICIPATION 1

Theatre activity is open to all students in the University. Non-majors may, if they wish, receive credit toward their undergraduate degree by participation in the productions of the University Theatre and for the Studio Theatre. A student may enroll up to the eighth week of any semester on written permission of the department chairman. No student may enroll in the last semester of his senior year. *These courses may fulfill three hours of the Fine Arts requirement from the recommended list (not the basic requirement).*

THEATRE ARTS 215-216. PRODUCTION FOR NON-COMMERCIAL
THEATRE Mr. Hoffman, Mr. Stout. 3

Designed for non-majors but *required of majors*. Meets teacher certification for Theatre. Problems of play selection, analysis, acting and technical aspects, organization and direction of plays in secondary schools or in the community. Both practice and theory. *Both semesters are required.*

THEATRE ARTS 224. STAGE LIGHTING Mr. Hoffman. 3

Theory and practice of basic electricity, lighting, control equipment, theory and practice in design of instruments, design and placement of instruments for effective lighting. Practice in lighting design and use of color. Prerequisite: 317 or consent of instructor.

THEATRE ARTS 225. CONTEMPORARY THEATRE

Mr. Brasmer. 2

Attendance at outstanding productions in New York during spring vacation, preceded by study of contemporary theatre and followed by a written report of the productions seen. Estimated cost of trip, exclusive of tuition, \$130. Prerequisite: Consent of instructor.

THEATRE ARTS 227-228. ACTING FOR BEGINNERS Mr. Stout. 2

First semester—Pantomime and stage movement.
Second semester—Character analysis and creation; emotional interpretation and projection.

THEATRE ARTS 301. SCENIC DESIGN Mr. Hoffman. 3

Theory and practice of scene design. Practice in perspective drawing, water color rendering, drafting of plans. Prerequisites: 317 or consent of instructor and junior standing.

Courses of Study

THEATRE ARTS 317. TECHNICAL THEATRE Mr. Hoffman. 3
Lecture and laboratory in scenery construction and painting, sound, stage management, and lighting. May include costuming under some circumstances. Class work with all productions. (With permission the student may repeat the course for additional credit.)

THEATRE ARTS 323. THEATRE HISTORY Mr. Brasmer. 3
Survey of World Theatre from the Greeks to the present, exclusive of America. Emphasizes influences—cultural, social, and political—as well as personalities, methods of production, and development of drama.

THEATRE ARTS 324. AMERICAN THEATRE AND FILM HISTORY Mr. Brasmer. 3
History of the American Theatre and the history and birth of the American Film in the light of their aesthetic dynamics and interrelationships.

THEATRE ARTS 326. THEORY OF THE THEATRE Mr. Wright. 3
The analysis and comparison of dramatic theories from Aristotle to the present with emphasis on present trends of stage and motion pictures. Prerequisite: 12 hours of Theatre Arts.

THEATRE ARTS 361-362. DIRECTED STUDY Staff. 3

THEATRE ARTS 401. THEATRE PRACTICUM Staff. 2-15
Theory and creative practice in selected areas of theatre arts for the talented and superior student. Not more than eight semester-hours of credit may be gained in the Denison Summer Theatre. As registration warrants, the following areas will be offered but not to exceed a total of 15 credit-hours will be granted toward graduation:

- a. Problems in Costuming
- b. Advanced Acting
- c. Problems in Styles of Direction
- d. Special Studies in Drama
- e. Problems in Theatre Management
- f. Advanced Problems in Scenic and/or Lighting Design
- g. Problems in Theatre Design

THEATRE ARTS 415. PLAY DIRECTION Mr. Brasmer. 3
Theory and practical work in direction. Each student is responsible for selection, casting, rehearsing, and production of one-acts or longer plays presented in the University Theatre. Prerequisites: 15 hours of Theatre Arts and consent of instructor.

THEATRE ARTS 461-462. INDIVIDUAL WORK FOR HONORS Staff. 3

VISUAL ARTS

MR. H. KING, MR. GRIMES, MRS. CAMPBELL, MR. HIRSHLER (PART-TIME), MRS. BAILEY (PART-TIME), MR. ALLEN (PART-TIME), MR. JUNG (Second Semester)

CHAIRMAN (1964-67), MR. GRIMES

The 3-hour requirement in the Arts may be satisfied by taking 101, 103a, 103b, 121, or 6 hours in Studio or Art History courses.

Major in Art

THE VISUAL ARTS Department offers courses for two degrees—Bachelor of Arts with a major in Art and Bachelor of Fine Arts.

The candidate for the Bachelor of Arts degree may take up to 40 semester-hours of credit in Studio and related courses and up to 12 semester-hours in Art History courses. The minimum requirement in the Visual Arts is 24 semester-hours.

The candidate for a Bachelor of Fine Arts degree may take a maximum of 70 semester-hours of credit in the Studio, Art History, and related fields. For this degree the candidate is privileged, with the consent of the departmental chairman, to substitute up to 9 semester-hours of credit from the recommended list for Specified Requirements. The minimum requirement in the Visual Arts is 44 semester-hours.

The student may elect to work toward either degree in the following programs:

Art History Major for the student who plans a career in Art History, criticism, connoisseurship, and conservation (care and restoration of works of art). Related requirements are French and German, History, and Philosophy. Studio courses are not necessarily required. The Bachelor of Arts is the typical degree in this program although, under certain circumstances, the Bachelor of Fine Arts may be



Dr. Grimes counseling in art studio

recommended. Provided the student has the related requirements, this program may be elected as late as the beginning of the junior year.

Studio Major for the student who plans a career as an artist or as a combined artist and college or high school teacher of Art. Areas of studio concentration offered in this program are Ceramics, Graphics, Painting, and Sculpture. The Bachelor of Fine Arts degree is typical of this major. This program must be elected not later than the first semester of the sophomore year. Any student whose interest lies in this area should enroll in 111-112 and 113-114 in the freshman year.

General Major for the student for whom Art will be primarily avocational or whose interest in such an art-related career as art management, art librarianship, occupational therapy, government cultural service, art salesmanship, art in publications, etc. The individual's program may have an emphasis in either the Studio or Art History, or may be balanced between the two. Either the B.F.A. or the B.A. degree may be appropriate depending on the student's interests and needs. This program may be elected through the first semester of the junior year.

Applied Art Major for the student who plans on Commercial Art work upon graduation in either advertising art, fashion illustration, or interior design. By arrangement with the Columbus College of Art and Design in Columbus, Ohio, Denison honors credit for certain professional courses offered at that institution. The B.F.A. degree is typical for this major. The program may be elected as late as the beginning of the junior year, provided the student has successfully taken 111-112 and 113-114.

All programs are individually planned by the student with departmental personnel as advisers as the major is selected. Particular emphasis is given to long-range educational planning.

The first two years of the program are organized to test the student's abilities and interests in relation to professional opportunities in the art and art-related occupations.

History of Art Courses

VISUAL ARTS 101. FORMS OF VISUAL ARTS Mr. King. 3
Illustrated lectures dealing with a topical survey of the visual arts including architecture, sculpture, painting, and the minor arts.

VISUAL ARTS 121. FIELD TRIP Staff. 3
Spring vacation field trip to metropolitan museums, galleries, and other art centers, and interviews with leading artists; preceded by studies of collections and followed by written reports.

VISUAL ARTS 205-206. HISTORY OF ART SURVEY Mr. King. 3
General survey of the Arts of the Western World. Ancient and Medieval (first semester); Renaissance and Modern (second semester). May be taken separately.

VISUAL ARTS 303. ART OF ANTIQUITY, GREEK AND ROMAN Mr. L. R. Dean. 3
A survey of the ancient Arts of the valleys of the Nile, and the Tigris-Euphrates. The development of ancient Greek architecture, sculpture, and vase painting from Minoan through Hellenistic times; the contribution of archeology to the knowledge of Greek Art.

VISUAL ARTS 304. MEDIEVAL ART Mr. Hirshler. 3
A selective survey of Early Christian, Byzantine, Romanesque, and Gothic Arts considered in their social and cultural context.

VISUAL ARTS 305. RENAISSANCE ART Mr. King. 3
Study of architecture, sculpture, and painting of the Italian-centered Renaissance beginning with the Humanism of Giotto in the Trecento and through the Mannerist crisis of the early 1600's.

Courses of Study

VISUAL ARTS 306. BAROQUE ART 3
The Art of Italy, France, The Netherlands, and Germany from 1600 to 1750 with emphasis on Rubens, Rembrandt, Poussin, Bernini, Mansart, and others.

VISUAL ARTS 307. ORIENTAL ART Mrs. Bailey. 3
A comprehensive study of the Art of India, China, and Japan approached through the religions and cultures of the Orient.

VISUAL ARTS 308. ISLAMIC ART Mrs. Bailey. 3
A survey of Moslem Art from the 7th Century A.D. to the 17th Century, covering architectural monuments in Syria, Egypt, Tunisia, Spain, Turkey, Persia, and India; painting in Syria, Persia, and India; and ceramics, rugs, and metal work. Religious, political, and social factors of Islam are studied in relation to the works of art.

VISUAL ARTS 407. MODERN ART Mr. Grimes. 3
19th Century Arts through Impressionism, and contemporary movements in architecture, sculpture, painting, and the crafts.

VISUAL ARTS 425. ART IN AMERICA Mr. King. 3
A survey of the Arts in America from the colonization and settlement to the contemporary scene with emphasis on continental influences in the early years, and the later contributions of America to contemporary Europe.

Studio Courses

VISUAL ARTS 103a. ELEMENTS OF VISUAL ARTS Mr. Grimes. 3
Studio Art appreciation. Problems in drawing and water color, painting to acquaint the student with the contemporary painter's visual vocabulary of form and to test the student's interest and range of ability in the Visual Arts.

VISUAL ARTS 103b. ELEMENTS OF VISUAL ARTS
Mrs. Campbell. 3
Studio Art appreciation. Problems in two- and three-dimensional design to acquaint the student with the contemporary designer's visual vocabulary of form and to test the student's interest and range of ability in the Visual Arts.

VISUAL ARTS 111-112. DRAWING Mrs. Campbell. 2
Drawing from still life, figure, and landscape with problems in composition and perspective. To be taken concurrently with 113-114.

VISUAL ARTS 113-114. DESIGN Mrs. Campbell. 2
Line, plane, and volume problems in black and white, color, and 3-dimensional materials. To be taken concurrently with 111-112.

VISUAL ARTS 211-212. LIFE DRAWING Mrs. Campbell, Mr. Grimes. 4
Study from the human figure in charcoal and other media with emphasis on structure in line, value, and color. Prerequisites: 112 and 114.

VISUAL ARTS 215. PAINTING Mr. Grimes. 4
Problems in watercolor or oil painting and other media from still life, the human figure, landscape, and non-figurative approaches to pictorial organization. Prerequisites: 112 and 114.

VISUAL ARTS 221-222. CERAMICS 3
Basic techniques of building ceramic forms by hand and by wheel as well as by glaze formula, decorative techniques, and the firing processes. The second semester work concentrates on ceramic sculpture.

VISUAL ARTS 231. GRAPHICS Mrs. Campbell. 4
The several media of printmaking include woodcut, linoleum, and etching in black and white and in color. Prerequisites: 112 and 114.

VISUAL ARTS 241-242. SCULPTURE 3
Experiments in three-dimensional design in various media including clay, casting in plaster, and direct work in wood.

VISUAL ARTS 315-316. INTERMEDIATE PAINTING Mr. Grimes. 3
Prerequisite: 215.

VISUAL ARTS 351. TECHNICAL DRAWING AND INDUSTRIAL DESIGN Mr. King. 4
Lettering, technical drawing, and design with hand and power tools applied to product design and graphic representation. Prerequisites: 111 and 113 (for majors).

Courses of Study

VISUAL ARTS 361-362. DIRECTED STUDY

3

For the student of marked creative ability who wishes to pursue advanced subjects not otherwise listed, such as design, drawing, graphics, ceramics, or history, and criticism.

VISUAL ARTS 401. VISUAL ARTS PRACTICUM

2-12

Theory and creative practice in selected areas of the visual arts for the talented and superior student. As registration warrants, the following areas will be offered *not to exceed a total of 12 semester-hours of credit*:

- | | |
|---|--------------------------|
| a. Figure and Portrait
Painting | d. Ceramics |
| b. Design | e. Sculpture |
| c. Historic Methods and
Materials of Painting
and Drawing | f. Graphics |
| | g. Commercial Art |
| | h. Fashion Illustration |
| | i. Seminar in Art Theory |

VISUAL ARTS 461-462. INDIVIDUAL WORK FOR HONORS

TEACHING OF PUBLIC SCHOOL ART (See EDUCATION 341.)

*View of
Art Gallery
in Slayter Union*





Lt. Col. Detrick and Capt. Frost meet with Cadet staff

NON-MAJOR AREAS

AEROSPACE STUDIES

COL. GRUBB, LT. COL. DETRICK, CAPT. FROST

CHAIRMAN, COL. GRUBB

OFFICER-IN-CHARGE (1965-68), LT. COL. DETRICK

THE DEPARTMENT OF AEROSPACE STUDIES offers the male college student at Denison the opportunity to obtain an officer's commission in the United States Air Force through enrollment in the Air Force Reserve Officer Training Corps (AFROTC). The student may select either the four-year or two-year AFROTC program.

To participate in the four-year program the student enrolls in AFROTC in his freshman year and continues enrollment for his four years at Denison. The four-year program includes the basic course consisting of the freshman and sophomore years and the advanced course taken during the junior and senior years. Enrollment in the basic course does not require a commitment on the part of the student. Enrollment in the advanced course at the beginning of the junior year requires a written commitment on the part of the student in both the four-year and two-year program to accept a commission in the Air Force and to serve on active duty for a period of four years in a non-rated category, or, for five years if in a rated category of pilot or navigator.

The four-year student attends a summer training camp of four weeks at the end of his junior or senior year. This camp is conducted at an Air Force Base, and the student is paid \$120 plus travel pay of six cents per mile to and from the camp. Meals, lodging, and uniforms are provided at no cost to the student while at camp.

To qualify for the two-year program the student must successfully complete the Air Force Officer Qualification Test (AFOQT) and an Air Force Physical Examination in the second semester of

his sophomore year. He must then attend a six-week summer training camp at the end of his sophomore year. This camp takes the place of the two-year basic course at Denison. The pay for the six-week summer training camp is also approximately \$120 plus travel pay, meals, lodging, and uniforms. The student who successfully completes the six-week camp may enroll in the advanced course at the beginning of his junior year.

The Air Force uniform, including shoes, is provided without cost to the student and is worn one day a week. The student is responsible for the proper care of the uniform. Textbooks and other instructional materials are supplied without cost by the Department of Aerospace Studies.

All cadets are eligible for the AFROTC Band and Drill Team on a voluntary basis. Outstanding advanced students are eligible for selection as members of the Arnold Air Society and for appointment as Distinguished Cadets and Distinguished Graduates.

The Flight Instruction Program provides each senior qualified for Pilot Training with 36½ hours of flight training in light aircraft at no expense to the student.

Advanced course students (juniors and seniors) are paid a retainer pay of \$40 per month, except while at summer training camp, for a period not to exceed 20 months. Four-year students who qualify for the Scholarship Program receive a retainer pay of \$50 per month plus full tuition, fees, and textbooks for the final two years.

Deferments from active duty are provided to those students who desire to attend graduate school prior to starting their commissioned service. Law school graduates enter on active duty as 1st Lieutenants and medical school graduates enter on active duty in the rank of Captain.

Officers who do not desire to continue graduate work are normally scheduled for active duty in the career area of their choice within 90 days after graduation.

Enrollment in AFROTC is accomplished by registering for the appropriate Aerospace Studies course during registration. Staff members of the Department of Aerospace Studies are available for consultation at anytime during the year, including the summer months.

Scholarships and Financial Assistance

THE UNITED STATES AIR FORCE makes available scholarships in the junior and senior years to four-year students enrolled in the AFROTC program at Denison.

Scholarship students are selected on a competitive basis in their sophomore year. Selection is based on academic achievement, score on the Air Force Officer Qualification Test, and the evaluation of a scholarship review board.

This scholarship program was initiated with the selection of five sophomore students in 1965. It is anticipated that additional students will be added to the AFROTC scholarship program each academic year.

Under this AFROTC scholarship program, the Air Force pays the cost of tuition, books, fees, supplies, and equipment plus a monthly retainer pay of \$50.

AEROSPACE STUDIES 101-102. DEFENSE OF THE UNITED STATES

Captain Frost. 1

An introductory course exploring the causes of present world conflict as they affect the security of the United States. This course includes analyses of democracy and communism, the U. S. power position in world affairs, the military as an instrument of national policy, and the mission and functions of the United States Air Force.

AEROSPACE STUDIES 201-202. WORLD MILITARY SYSTEMS

Lt. Colonel Detrick. 1

A comparative study of world military forces to include Free World land and naval forces, Free World air forces, Communist military systems, and trends in the development and employment of military power in accomplishment of national objectives.

AEROSPACE STUDIES 301-302. GROWTH AND DEVELOPMENT
OF AEROSPACE POWER

Captain Frost. 3

A survey course about the nature of war; development of airpower in the United States; mission and organization of the Defense Department; Air Force concepts, doctrine, and employment; astro-

nautics and space operations; and the future development of aerospace power. Includes the United States space programs, vehicles, systems, and problems in space exploration.

AEROSPACE STUDIES 401-402. THE PROFESSIONAL OFFICER

Lt. Colonel Detrick. 3

A study of professionalism, leadership, and management. The course includes the meaning of professionalism, professional responsibilities, the Military Justice System; leadership theory, functions, and practices; management principles and functions; problem solving; and management tools, practices, and controls.

AEROSPACE STUDIES 250. SIX-WEEK SUMMER TRAINING CAMP

U. S. Air Force Tactical Officers. 3

A six-week summer training camp conducted only for two-year AFROTC students at the end of the sophomore year. Two periods of training will be offered, one in June-July, and one in August-September. Consists of orientation to the U. S. Air Force, military history, development of communicative skills, physical training, and development of leadership skills. No letter grade assigned. Credit indicated by "P" for passed. *Not included in computation of grade-point average.*

AEROSPACE STUDIES 350. FOUR-WEEK SUMMER TRAINING CAMP

U. S. Air Force Tactical Officers. 2

Credit for this course will not be awarded unless it is taken in the summer between the junior and senior year but the student may choose to attend this course at the end of the senior year without credit. This course consists of a survey in depth of various Air Force Officers' career areas, an examination through field trips and lectures of the day-to-day operation of an Air Force Base and its place in the Air Force command structure; the presentation and solving of problem situations; an introduction to survival techniques and flight operations; emphasis will be maintained on development of initiative, communicative skills and leadership capabilities. Credits will be indicated by "P" for passed. *Credits will not be included in computation of grade-point average.* Two periods of training will be offered, one in June-July and one in July-August.



Professor King with pre-engineering students

ENGINEERING GRAPHICS

MR. HORACE KING

A STUDENT INTERESTED IN ENGINEERING should take a Pre-Engineering program, majoring in a basic science such as mathematics, physics, or chemistry, his choice depending upon the branch of engineering he wishes to enter. Pre-Engineering credits earned at Denison are accepted by Schools of Engineering. (For further information see Combined Arts-Professional Courses for liberal arts-engineering arrangements.) An interested student should consult the departmental chairman in his field of engineering interest.

ENGINEERING GRAPHICS 111. THEORY AND PRACTICE IN ELEMENTARY DRAFTING

3

A course in drafting practice with selected problems in standard orthographic projection, layout and lettering, elementary freehand sketching, and exercises in point, line, and plane to acquaint the student with procedures in Engineering Geometry.

ENGINEERING GRAPHICS 112. THEORY AND PRACTICE IN ADVANCED DRAFTING

3

Second semester includes more complex problems in design drawing, advanced freehand sketching, pictorial techniques, and the geometry of developments and intersections. Prerequisite: 111.

Conservatory of Music

FACULTY

KARL H. ESCHMAN, Ph.B., A.M., F.A.G.O., Mus.D. (hon.)

Jessie King Wiltsee Professor of Music (part-time)

MUSIC THEORY

Graduate of Denison University in piano and organ; graduate student, Harvard University 1911-12, under Walter R. Spalding and Edward Burlingame Hill; 1912-13, under Hugo Kaun and Victor Heinze, Berlin; under Erwin Stein, Egon Wellesz and others, University of Vienna, 1929-30; under Walter Piston, Harvard University, 1942; member of the faculty, Ohio State University and Northwestern University summer sessions, 1926-29 and 1935-54; Visiting professor of theory, School of Music, University of Michigan, Summer session, 1955. Fellow of American Guild of Organists. Awarded honorary Doctor of Music degree by Denison in 1956.

R. LEE BOSTIAN, B.A., M.A., Ph.D.

Professor of Music and Chairman of the Department

MUSIC HISTORY AND THEORY, PIANO, ORGAN

Holds three degrees from the University of North Carolina (1954, 1958, 1961), where he received the Percy Craven Weeks Award as the outstanding senior pianist and was elected to Phi Beta Kappa. Taught at Radford College, Radford, Va., as associate professor, 1961-62, and professor and head of Division of Fine Arts, 1962-66. Served as minister of music, Grove Avenue Methodist Church in Radford, Va., 1961-66, and was founder and vice president of Radford Fine Arts Ass'n. Held a graduate assistantship for four years and a Southern Fellowship for one year at North Carolina.

HERMAN LARSON, A.B.

Assistant Professor of Music

VOICE, OPERA WORKSHOP

Graduate of Augustana College, Sioux Falls, S. D., 1933; graduate student, American Conservatory of Music, Chicago, 1933-37, voice with Theodore Harrison and theory with Leo Sowerby and Jeanne Boyd; instructor, Valparaiso University, Valparaiso, Ind., 1935-36, and Joliet Conservatory of Music, Joliet, Ill., 1936-37; associate professor, University of Oklahoma, 1937-44.

GEORGE R. HUNTER, B.F.A. in Mus. Ed., B.F.A., M.F.A.

Assistant Professor of Music and Music Education

BRASS, COMPOSITION, AND BAND

Two music degrees, one with a trumpet major, and a graduate degree (major in musicology) at Carnegie Institute of Technology. Studied with Nikolai Lopatnikoff and Roland Leich (theory and composition), Frederick Dorian (musicology), and Frederick Fennell (wind ensemble literature). Director of music, Etna High School in Pennsylvania; assistant professor of music and director of the chorus and band, Waynesburg College in Pennsylvania.

FRANK J. BELLINO, B.F.A., Mus. M.

Assistant Professor of Music

VIOLA, VIOLIN, VIOLA D'AMORE, ORCHESTRA

Graduate of Ohio University, 1949; graduate study in music literature, Eastman School of Music, 1951, and post-graduate work in viola and violin; studied on scholarships at Colorado College, summers of 1948-52; Berkshire Music Center (Tanglewood), summer of 1947. Fulbright Research Scholar, Conservatory of Santa Cecilia, Rome, Italy, 1956-57. Studied viola and violin with Francis Tursi, Eastman School of Music; Ferenc Molnar, solo violist with San Francisco Symphony Orchestra; studied with

Conservatory of Music

Paul Hindemith, Roy Harris, Willi Apel, Nicholas Stonimsky, Robert Shaw, and Irvine McHose. Played with Rochester (N.Y.) Philharmonic Orchestra, 1949-52; Houston (Texas) Symphony, 1953-54; Minneapolis Symphony Orchestra, 1954-58; and Chicago's Grant Park Symphony Orchestra, summers, 1956-58. Conductor of Licking County Symphony Orchestra, Newark, Ohio, since 1960. Study in Colombia, Germany, and Italy, 1964-65.

EGBERT W. FISCHER, A.B., M.A.

Assistant Professor of Music

PIANO

Graduate of Harvard College (*cum laude* in music), 1936; studied piano with Leonard Shure; theory with Walter Piston, A. T. Merritt, and Edward Burlingame Hill; conducting with Archibald T. Davison and G. Wallace Woodworth. Graduate study, Western Reserve University, M.A., 1953, followed by doctoral study. Instructor, Wesleyan University (Connecticut), 1938-40; assistant professor, Western Reserve, 1947-52; teacher of piano, Cleveland Music School Settlement, 1953-57; assistant to Leonard Shure, 1954-58; lecturer, Western Reserve, 1953-61.

WILLIAM OSBORNE, MUS. B., MUS. M., A. MUS. D.

University Organist, Director of Choral Groups

Assistant Professor of Music

ORGAN AND MUSIC HISTORY

Graduate of University of Michigan, 1959; graduate degrees from University of Michigan, 1960 and 1964. Studied with Robert Noehren and Marilyn Mason. Summer study at the American Conservatory, Fontainebleau, France, and Berkshire Music Center, Tanglewood, Mass. Organist and choirmaster, Lutheran Student Chapel, Ann Arbor, Michigan, 1957-61.

Denison University Bulletin

GABOR NEUMANN, Diplomas, B.S., M.S.

Instructor in Music

PIANO

Graduate of the Juilliard School with major in piano and minor in choral and orchestra conducting; studied at Juilliard, 1957-63, earning diploma and two degrees. Earlier studied at Music Gymnasium, Bartok Conservatory, and Music Academy, all in Budapest, Hungary, 1950-56. Studied under Edward Steuermann and Josef Raieff at Juilliard and under George Sebok at Indiana University, where he taught in 1963-64. Has performed with ensembles and solo at the Berkshire Music Center, Tanglewood, Mass.; International House, New York, including 1959 Puerto Rico tour; Budapest Radio; and in a joint recital at Judson Hall (N.Y.)

ALLAN BRADLEY, B.A., MUS. M.

Instructor (part-time)

WOODWIND INSTRUMENTS

Clarinetist with the Columbus Symphony Orchestra and member of the Otterbein College faculty.

GORDON EPPERSON

Instructor (part-time)

VIOLONCELLO

Principal cellist of the Columbus Symphony Orchestra and member of the Ohio State University faculty.

KAY HARDESTY

Instructor (part-time)

FLUTE

Principal flutist of the Columbus Symphony Orchestra.

SEMINAR IN MUSIC

Every student working toward any degree in music is required to complete eight semesters of satisfactory attendance at a Seminar in Music held once each week throughout the semester. (No more than one unexcused absence constitutes satisfactory attendance.) This seminar deals with problems of general music interest which cannot be covered in course work or private lessons. No academic credit is given. In addition, senior Music majors must attend Senior Music Seminar, which also meets once a week and is designed to help prepare the student for comprehensive examinations. *Failure to attend either Seminar removes the student's status as a major in Music, thereby making his Applied Music fees due and payable.*

APPLIED STUDIES

PROFICIENCY in one department of Applied Music is a requirement for graduation. To obtain the *Conservatory Diploma* the student must appear in a public recital near the end of his senior year. If he chooses to substitute normal study for the recital and shows evidence of ability to teach his major subject, he will receive a *Conservatory Teacher's Certificate*.

A student who selects Violin, Viola, Voice, Violoncello, or other field, as his major must take Piano as a minor subject until he is able to play piano music, such as the following: Diller-Quaile, *Third Solo Book*; *Concord Series for the Piano, Book III*, Ed. by K. Davis; Clementi, *Sonatinas*, Opus 36, Nos. 1 and 2.

The number of years required to complete the work in any applied study depends entirely upon the student's ability and previous training. Examinations at intervals, beginning at the end of the freshman year, will be given to the student to ascertain his standing. In general, these examinations consist of technical demonstrations, the performance of prepared compositions from memory, and the playing of one selection prepared without the aid of the teacher.

PIANO. The general aim of the Conservatory of Music for the student of Piano is to teach him to perform imaginatively and creatively, with interpretation based upon sound historical and theo-

retical knowledge. A student is expected to acquire a well-balanced repertoire and a broad acquaintance with the piano literature of all periods. A student is taught how to adapt finger, hand, wrist, and arm movements to musical thought, and how to adapt the fingers and hands to the keyboard. Every effort is made to teach the student to become an independent artist.

For *junior* standing: A student must be able to perform compositions, such as BACH: Three-Part Inventions, Three-Part Fugues from the Well-Tempered Klavier; HAYDN: E flat Major Sonata (1789); BEETHOVEN: Sonatas, Opus 10, No. 1 or Opus 14, No. 2; SCHUBERT: Impromptus; CHOPIN: Polonaise, Opus 40, No. 2; BRAHMS: Opus 117; and DEBUSSY: Preludes.

For *senior* standing: A student must be able to play compositions, such as BACH: Complete Suite or Partita; MOZART: Sonata, K. 311 or K. 332; BEETHOVEN: Sonata, Opus 28 or later; SCHUBERT: Sonata, Opus 120; CHOPIN: Etudes, one Ballade; SCHUMANN: Fantasy Pieces, Opus 12; BRAHMS: Opus 118; and DEBUSSY: Images.

VOICE. The general aim of all vocal training is to try to coordinate breath pressure, phonation, and resonance in such a manner that each pupil can develop his or her voice to its utmost capacity in terms of quality, range, volume, and flexibility. The vocal student is required to study a modern foreign language in order to cultivate vocal diction in more than one idiom. He is also required to study the piano and is advised to begin this study early in his course.

Vocal instruction is directed toward the problems peculiar to the voice, and to song interpretation, to rhythm, and to phrasing. The song literature of all schools, lieder, arias, ballads, and art songs are used.

The student in Voice is urged to participate in the University choirs, and to study solfeggio and elementary theory.

For *junior* standing: A student must be able to sing effectively songs of moderate difficulty in English and in one other language.



Denison's Concert Choir presents several major works

For *senior* standing: A student must show proficiency in advanced vocalization and in arias from opera and in oratorio in other languages.

For those who wish an introduction to singing, class lessons may be arranged (Voice Class, one hour credit). A student is accepted for *private lessons at any stage of advancement.*

ORGAN. Study of the piano is a prerequisite for study of the organ. The department reserves the right to determine whether the student has fulfilled this requirement.

For graduation with a major in Organ, a student must have developed a wide-ranging repertoire drawn from the works of Bach; such pre-Bach composers as Sweelinck, Frescobaldi, Buxtehude, and Couperin; Mendelssohn, Brahms, and Franck; and men of the 20th Century such as Hindemith and Messiaen. This repertoire shall be selected at the discretion of the instructor as best suits the needs of the student.

For *junior* standing: A student must have prepared several chorale preludes from the *Orgelbuechlein*, at least one movement of a trio sonata, and a small prelude and fugue, all by Bach; several chorale preludes by Brahms; and at least one substantial work from the 20th Century.

For *senior* standing: A student must have prepared a complete trio sonata and large-scale prelude and fugue by Bach, a major work of either Mendelssohn or Franck, and a piece from the 20th Century comparable to a Hindemith sonata.

VIOLIN, VIOLA, AND VIOLONCELLO. A student planning to concentrate in Violin, Viola, or Violoncello will be expected to have sufficient background and technique upon entering Denison to pursue study of the more elementary standard repertoire for his particular instrument; for Violin: sonatas by Corelli, by Handel, sonatinas of Schubert, Bach's A minor Concerto; for the other instruments, compositions of comparable difficulty. Both the difficulty and the advancement of the works studied will increase during the four years of study and will include Modern, Romantic, Classical, and Baroque compositions.

Technical studies, such as the Carl Flesch Scale Studies, Rode Caprices, Fiorillo 36 Etudes, Kreutzer Studies, and various books of the Sevcik series will be an essential part of the student's work. Strict attention will be focused upon tone production, bowing technique, and intonation.

The student will be required to develop ensemble skill by playing in the Denison String Orchestra and the Licking County Symphony Orchestra in addition to working in chamber music groups, such as string quartets, piano trios, string trios, and others.

The aim is to develop the techniques of string playing which will enable the student to become a competent performer in the various areas of string performance with particular attention given to the solo literature of the instrument.

The student may be expected to be examined by the faculty on any of the repertoire which he has covered, in order to be passed to sophomore, junior, or senior standing.

At the end of the second and third years, the student shall be required to present successfully before the Conservatory faculty a composition chosen by the instructor but which the student has prepared without his instructor's aid.

WIND INSTRUMENTS. A Wind Instrument player will be introduced to the solo and chamber music literature for his instrument. Excerpts from orchestral literature will also be studied. The student will be expected to participate in instrumental organizations at Denison.

Personnel

THE BOARD OF TRUSTEES

OFFICERS

FRANKLIN G. SMITH, LL.D., *Honorary Chairman*

JOHN E. F. WOOD, A.B., LL.B., B.A. (Juris.), M.A., *Chairman*

GEORGE M. ROUDEBUSH, Ph.B., LL.B., *First Vice-Chairman*

FREDERICK C. CRAWFORD, B.A., M.C.E., D.Eng., LL.D.,
Second Vice-Chairman

CARL R. ADAMS, B.S., *Secretary and Treasurer*

MEMBERS

Ex-Officio

President A. BLAIR KNAPP, A.B., M.A., LL.D., L.H.D., HH.D., Litt.D.

CLASS I—TERMS EXPIRE JUNE, 1967

*ERNEST C. BRELSFORD, B.S.— *Vice President (Finance), TRW, Inc.*
23555 Euclid Avenue, Cleveland, Ohio 44117

*SAMUEL S. DAVIS— *President, Corrugated Container Company*
1200 Corrugated Way, Columbus, Ohio 43201

*CHARLES W. DEEDS, B.S., M.B.A., LL.D.— *Retired Industrialist*
Room 1624, One Constitution Plaza, Hartford, Conn. 06103

CYRUS S. EATON, A.B., M.A., C.D.L., LL.D.— *Chairman, Board of*
Directors, Chesapeake and Ohio R.R. Company
Terminal Tower, Cleveland, Ohio 44101

*EUGENE EXMAN, Ph.B., A.M., Rel. Ed.D.— *Retired*
P.O. Box 53, Barnstable, Massachusetts 02630

*WILLIAM P. HUFFMAN, B.S.— *Retired President,*
Buckeye Iron and Brass Works
P.O. Box 883, Dayton, Ohio 45401

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*Alumnus of Denison University

Denison University Bulletin

CLASS II—TERMS EXPIRE JUNE, 1968

- JOHN W. ALFORD, A.B.— *President*
The Park National Bank of Newark
 50 North Third Street, Newark, Ohio 43055
- JOSEPH A. ANDERSON, B.S. in Mech. Eng., LL.D.— *Retired*
 3301 Hawthorne Drive, Flint, Michigan 48503
- FREDERICK C. CRAWFORD, A.B., M.C.E., D.Eng., LL.D.— *Chairman,*
The Executive Committee of TRW, Inc.
 23555 Euclid Avenue, Cleveland, Ohio 44117
- RANDOLPH EIDE, A.B., LL.D., Com. D.— *Retired President, Ohio Bell*
Telephone Company
 3232 Rumson Road, Cleveland Heights, Ohio 44118
- GEORGE M. JONES, JR. *President, Commodore Perry Company*
 P.O. Box 2005, Secor Hotel, Toledo, Ohio 43603
- L. E. LATTIN *Retired*
 12551 Kenny Drive, Granada Hills, California 91344
- *GEORGE M. ROUDEBUSH, Ph.B., LL.B.— *Attorney-at-Law*
Roudebush, Adrion, Brown, Corlett, and Ulrich
 915 Williamson Building, Cleveland, Ohio 44114
- *G. HERBERT SHORNEY, B.S.— *President, Hope Publishing Company*
 5707 West Lake Street, Chicago, Illinois 60644
- MAURICE J. WARNOCK, B.S.— *President*
Armstrong Cork Company
 Liberty and Mary Streets, Lancaster, Pennsylvania 17604
- *JOHN E. F. WOOD, A.B., LL.B., B.A. (Juris.), M.A.—
Attorney-at-Law, Dewey, Ballantine, Bushby, Palmer, and Wood
 Room 2900, 40 Wall Street, New York, N.Y. 10005

CLASS III—TERMS EXPIRE JUNE, 1969

- *CHARLES G. ASHBROOK, Ph.B.— *Chairman, Board of Directors*
North American Life Insurance Company
 35 East Wacker Drive, Chicago, Illinois 60601
- RUSSELL H. BISHOP, A.B., B.D., D.D.— *Clergyman, First Baptist Church*
 Fairmount at Eaton, Shaker Heights, Ohio 44118
- *WILLIAM G. BOWEN, B.A., Ph.D. *Director, Graduate Program*
Woodrow Wilson School of Public and International Affairs
 10 MacLean Circle, Princeton, New Jersey 08541
- *SUMNER CANARY, Ph.B., LL.B., LL.D.— *Attorney-at-Law,*
Arter, Hadden, Wykoff, and Van Duzer
 1144 Union Commerce Building, Cleveland, Ohio 44115
- *ALICE McCANN JAMES (Mrs. Harold A.), A.B.—
 4922 Courville Road, Toledo, Ohio 43623
- *RICHARD G. LUGAR, B.A., B.A. *Vice President and Treasurer*
Thomas L. Green & Company
 3333 Highwoods Drive, Indianapolis, Indiana 46222

*Alumnus of Denison University

Personnel

- EVERETT D. REESE, B.S., LL.D.— *Chairman, Board of Directors,
City National Bank and Trust Company*
100 East Broad Street, Columbus, Ohio 43216
- *THOMAS R. SHEPARD, A.B.— *The Shepard Insurance Agency*
1230 Fifth Third Bank Building, Cincinnati, Ohio 45202
- *HENRY S. STOUT, B.S.— *Agent, John Hancock
Life Insurance Company*
Room 704, Gas & Electric Building, Dayton, Ohio 45409
- *DEXTER J. TIGHT, B.S., M.S.— *Retired*
170 Wildwood Way, Woodside, California 94062

CLASS IV—ALUMNI—ELECTED TRUSTEES

- *DAVID A. CHAMBERS, B.S., M.D.— *Surgeon*
10515 Carnegie Avenue, Cleveland, Ohio 44106
(Term expires in 1967)
- *ROBERT F. VAN VOORHIS, A.B., M.B.A.— *President,
The Universal Supply Company*
122 East Main Street, Newark, Ohio 43055
(Term expires in 1968)
- *THEODORE J. ABERNETHY, B.S., M.D.— *Physician*
916 - 19th Street, N.W., Washington, D.C. 20006
(Term expires in 1969)
- *JACK N. MEEKS— *President,
J. N. Meeks and Company, Actuaries*
17 South High Street, Columbus, Ohio 43215
(Term expires in 1970)
- *JOSEPH G. NELLIS, A.B.— *President, Nellis Feed Company*
141 West Jackson Boulevard, Chicago, Illinois 60604
(Term expires in 1971)
- *LYMAN S. FORD, B.A., M.A. *Executive Director,
United Community Funds and Councils of America*
114 Walbrooke Road, Scarsdale, New York 10584
(Term expires in 1972)

TRUSTEES — EMERITI

- *LORENA WOODROW BURKE (*Mrs. Charles F.*), Ph. B., 1937-1959
375 Riverside Drive, New York, N.Y. 10025
- CHARLES LYON SEASHOLES, A.B., B.D., D.D., L.H.D., 1932-65 *Retired*
65 Wisteria Drive, Dayton, Ohio 45419
- FRANKLIN G. SMITH, LL.D., 1915-1961 *Retired*
Apt. 410, 13700 Shaker Blvd., Cleveland, Ohio 44120

THE ADMINISTRATIVE STAFF

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PARKER E. LICHTENSTEIN, B.S., M.S., Ph.D. *Dean of the College*

STUDENT SERVICES

ELIZABETH HARTSHORN, B.S., M.A., Ed.D. *Dean of Women*
FIONA MACKINNON, B.A., M.S. *Assistant Dean of Women*
MARIAN HEDGECOCK, B.A., M.A. *Assistant Dean of Women*
MARK W. SMITH, B.A., M.A., Ph.D. *Dean of Men*
DONALD G. TRITT, B.S., Ph.D. *Director of the Psychological Clinic*
ALBERT W. DAVISON, Jr., B.A., B.S.Ed., M.A. *Director of Student Employment and Placement*
BURTON W. DUNFIELD, B.S. *Director of Admissions*
CHARLOTTE F. WEEKS, A.B., M.A. *Assistant Director*
GORDON CONDIT, B.A., M.A. *Admissions Counselor*
BRUCE E. CARLSON, B.A. *Admissions Counselor*
DAVID O. WOODYARD, B.A., B.D., S.T.M. *Dean of Chapel*
DAVID A. GIBBONS, A.B., B.D., S.T.M. *Executive Secretary,*
Denison Christian Association

STUDENT HEALTH SERVICE

IRVIN A. NICKERSON, B.A., M.D. *Physician & Administrator*
of Whisler Hospital
LARRY L. HIPPE, A.B., M.D. *Physician*
LAWRENCE A. DILS, B.A., M.D. *Physician*

GENERAL ADMINISTRATION

L. EUGENE WOLFE, B.A. *Executive Assistant*
SAMUEL D. SCHAFF, A.B., M.A., Ed.D. *Registrar*
and Graduate School Counselor
JOSEPHINE D. KRAUSE, B.S. *Associate Registrar*
CHARLES K. HENDERSON, B.A., M.S. *Director of Public Information*
CALVIN K. PRINE, B.A., LL.B. *Director of Development*
R. WILLIAM GOODWIN, B.A. *Assistant Director*

Personnel

LT. COL. WILLIAM R. DETRICK, USAF, B.S., M.Ed.	<i>Officer-in-charge of AFROTC detachment</i>
RICHARD W. RYAN, B.A., M.S. in L.S.	<i>Librarian</i>
JANE C. SECOR, A.B., B.S. in L.S.	<i>Assistant Librarian</i>
JOSEPHINE P. MOSS, A.B., B.S. in L.S.	<i>Assistant Reference Librarian</i>
PAULINE O. HOOVER, B.A., B.S. in L.S.	<i>Catalog Librarian</i>
DARRELL P. WELCH, B.A., M.A., M.S. in L.S.	<i>Acquisitions Librarian</i>
MARY LIU, B.A., M.L.S.	<i>Circulation Librarian</i>
WILLIAM BRASMER, B.S., M.A.	<i>Director of Theatre</i>
ROY SEILS, B.A., Ed. M., Ed. D.	<i>Director of Athletics</i>
BEATRICE P. STEPHENS, A.B.	<i>Executive Secretary, Denison Society of the Alumni</i>
W. NEIL PRENTICE, A.B., A.M., Ph.D.	<i>Director, Computer Center</i>
ROBERT A. ROBERTS, B.S., M.S., Ph.D.	<i>Assistant Director</i>

BUSINESS AND FINANCE

CARL R. ADAMS, B.S.	<i>Treasurer and Business Manager</i>
ALICE M. DODSWORTH	<i>Assistant to the Treasurer</i>
PETER P. WIELICZKO, B.S.	<i>Assistant to the Treasurer and Business Manager</i>
LEROSS MORRIS, B.S.	<i>Director of Physical Plant</i>
KENNETH W. POOLE, B.A.	<i>Director of Purchasing</i>
HERMAN L. COUNTS, JR., B.A.	<i>Purchasing Agent</i>
RAYMOND A. McKENNA, B.A.	<i>Manager of Bookstore</i>
RAYMOND L. RAUSCH, B.S., B.S. in Ed.	<i>Assistant Manager</i>
STANLEY J. COX	<i>Food Service Director</i>
RUTH H. ROLT-WHEELER, A.B.	<i>Director of Residence Hall Services</i>
MOLLIE B. ABER	<i>Hostess, Slayter Hall</i>
LOUIS PETITO, B.A., C.P.A.	<i>Controller</i>
EURIE M. LOUGHRIDGE, Ph.B.	<i>Assistant to the Controller</i>
HELEN M. MORRIS	<i>Assistant to the Controller</i>

THE FACULTY EMERITI

- JOHN L. BJELKE, 1925-1951 *Secretary-Emeritus, Denison Society
of the Alumni*
Ph.B., Denison; M.A., Columbia.
- LOIS E. ENGLEMAN, 1948-1964 *Librarian-Emeritus*
B.A., James Millikin; B.S. in L.S., Western Reserve; M.S.,
Columbia.
- W. ALFRED EVERHART, 1920-1964 *Professor-Emeritus of Chemistry*
A.B., Miami; M.S., Lehigh; Ph.D., Ohio State.
- DONALD R. FITCH, 1924-1966 *Registrar-Emeritus*
Ph.B., Denison; M.S., Denison.
- LELAND J. GORDON, 1931-1963 *Professor-Emeritus of Economics*
B.S., Pennsylvania; A.M., Pennsylvania; Ph.D., Pennsylvania.
- SUE HAURY, 1928-1959 *Assistant Professor-Emeritus of Music*
A.B., Denison.
- BURT T. HODGES, 1934-1965 *Treasurer-Emeritus*
B.S., Denison; M.A., Chicago.
- SAMUEL M. HOLTON, 1956-1966 *Assistant Professor-Emeritus
of Education*
B.A., Duke; M.A., Duke.
- RICHARD H. HOWE, 1920-1963 *Associate Professor-Emeritus of
Physics and Astronomy*
B.S., Denison; M.S., Denison.
- SIDNEY JENKINS, 1920-1960 *Associate Professor-Emeritus of
Physical Education*
B.S., Denison; A.M., Ohio State.
- ALFRED J. JOHNSON, 1928-1966 *Business Manager-Emeritus*
B.A., Denison; M.A., Western Reserve.
- CHOSABURO KATO, 1928-1965 *Professor-Emeritus of
Mathematics*
B.S., Denison; M.S., Chicago; Ph.D., Ohio State.
- JOSEPH L. KING, 1924-1962 *Professor-Emeritus of English*
A.B., Richmond; A.M., Columbia; Ph.D., Columbia; LL.D.,
Richmond.
- A. COLLINS LADNER, 1928-1953 *Assistant Professor-Emeritus of
Mathematics*
A.B., Brown; A.M., Brown.
- WALTER J. LIVINGSTON, 1911-1952 *Professor-Emeritus of
Physical Education*
B.S., Denison; D.Sc. in Phys. Ed., Denison.
- DANNER L. MAHOOD, 1927-1966 *Associate Professor-Emeritus
of English*
B.S., Davidson; M.S., Virginia.

Personnel

- CHARLES L. MAJOR, 1931-1960 *Assistant Professor-Emeritus of Education*
A.B., William and Mary; A.M., William and Mary.
- GEORGE D. MORGAN, 1927-1962 *Professor-Emeritus of Biology*
B.S., Denison; M.S., Pittsburgh; Ph.D., Ohio State.
- RUTH A. OUTLAND, 1941-1964 *Director-Emeritus of Public Information*
A.B., Coe.
- CONRAD E. RONNEBERG, 1946-1966 *Professor-Emeritus of Chemistry*
B.A., Lawrence; M.S., Massachusetts Institute of Technology;
Ph.D., Chicago.
- ELLENOR O. SHANNON, 1936-1965 *Associate Professor-Emeritus of English*
A.B., Tulane; A.M., Columbia.
- ALMA B. SKINNER, 1920-1940 *Assistant Professor-Emeritus of Modern Languages*
Ph.B., Denison, A.M., Columbia.
- HENRY J. SKIPP, 1934-1951 *Associate Professor-Emeritus of Modern Languages*
A.B., Denison; A.M., Columbia.
- BRAYTON STARK, 1927-1961 *Associate Professor-Emeritus of Music*
Mus. B., Denison; A.B., Denison; A.M., Harvard; F.A.G.O.
- FREDERICK W. STEWART, 1924-1949 *Professor-Emeritus of Religion*
A.B., Rochester; A.M., Rochester; B.D., Colgate-Rochester.
- HAROLD H. TITUS, 1928-1964 *Professor-Emeritus of Philosophy*
A.B., Acadia; B.D., Colgate-Rochester; Ph.D., Chicago; D. Litt., Acadia.

Authors on Faculty: Seated—Drs. E. A. Wright, L. G. Crocker, Natalie M. Shepard, D. G. Dean, M. H. Hepp, and D. M. Valdes; Standing—Dr. W. Preston, Dr. G. W. Chessman, Prof. P. L. Bennett, and Dr. W. M. Southgate





*Students in action —
chatting with faculty in
Union (above), on theatre
trip in New York (left),
and receiving diplomas
(below)*



THE FACULTY

- A. BLAIR KNAPP, 1951- *President*
A.B., Syracuse; M.A., Syracuse; LL.D., Syracuse; L.H.D., Temple
and Trinity; HH.D., Bowling Green State; L.H.D., Redlands;
Litt.D., Lincoln Memorial.
- PARKER E. LICHTEINSTEIN, 1949- *Dean of the College*
and Professor of Psychology
B.S., Massachusetts; M.S., Massachusetts; Ph.D., Indiana.
- * * *
- CARL R. ADAMS, 1964- *Treasurer and Business Manager*
B.S., Ohio State.
- VERNON ALLEN, 1965- *Visiting Lecturer in Visual Arts*
(part-time)
B.F.A., Ohio Univ.
- ROBERT W. ALRUTZ, 1952- *Professor and Chairman, Biology*
B.S., Pittsburgh; M.S., Illinois; Ph.D., Illinois.
- ROBERT F. ANDERSON, 1965- *Assistant Professor of*
Modern Languages
B.A., Western Reserve; M.A., Michigan.
- **K. DALE ARCHIBALD, 1948- *Professor of Biology*
B.A., Denison; M.A., Ohio State; B.D., Colgate-Rochester; Ph.D.,
Ohio State.
- JOSE R. ARMAS, 1966- *Assistant Professor of Modern Languages*
Teacher's Diploma, Havana Normal School; Ed.D., University of
Havana.
- TERRY ELLIS BAILEY, 1963- *Visiting Lecturer in Visual Arts*
(part-time)
A.B., Wellesley; M.A., Wellesley.
- THEODORE H. BARCLAY, 1962- *Assistant Professor of Physical*
Education in charge of Gregory Swimming Pool
B.S. in Ed., Ohio State; Ed.M., Kent State.
- FRANCIS C. BAYLEY, 1946- *Professor of Logic*
A.B., Dickinson; B.D., Drew; Ph.D., Columbia.
- FRANK J. BELLINO, 1958- *Assistant Professor of Music*
B.F.A., Ohio Univ.; Mus. M., Eastman.
- PAUL L. BENNETT, 1947- *Professor of English*
B.A., Ohio Univ.; M.A., Harvard.
- D. DONALD BONAR, 1965- *Assistant Professor of Mathematics*
B.S., West Virginia; M.S., West Virginia.
- KENNARD B. BORK, 1966- *Assistant Professor*
of Geology and Geography
B.A., DePauw; M.A., Indiana.
- R. LEE BOSTIAN, 1966- *Professor and Chairman, Music*
B.A., North Carolina; M.A., North Carolina; Ph.D., North Carolina.

**On leave second semester, 1966-67

Denison University Bulletin

- LOUIS F. BRAKEMAN, 1962- *Associate Professor and Chairman,
Government*
A.B., Kalamazoo; M.A., Tufts; Ph.D., Tufts.
- WILLIAM BRASMER, 1948- *Professor and Chairman, Theatre Arts*
B.S., Northwestern; M.A., Northwestern.
- MICHAEL BREDOFF, 1966- *Visiting Lecturer in Modern Languages
(Russian) (part-time)*
B.S., Wittenberg.
- ***JOHN B. BROWN, 1952- *Professor of Chemistry*
B.S., Kentucky; Ph.D., Northwestern.
- MERLE E. BROWN, 1954- *Professor of English*
A.B., Michigan; A.M., Michigan; Ph.D., Michigan.
- ROGER W. BROWN, 1966- *Instructor in Economics*
B.A., Denison; Graduates' Commerce Diploma, Birmingham
(England).
- TOMMY R. BURKETT, 1963- *Assistant Professor of English*
B.A., Rice; M.A., Rice.
- MARY K. CAMPBELL, 1956- *Instructor in Visual Arts*
- JOSEPH T. C. CHAO, 1962- *Assistant Professor of Economics*
LL.B., Catholic U. (Peiping); M.S., Southern Illinois.
- G. WALLACE CHESSMAN, 1950-51; 1953- *Professor,
Alumni Chair of History*
A.B., Harvard; M.A., Harvard; Ph.D., Harvard.
- WILLIAM KUEI-YONG CHUNG, 1965- *Assistant Professor of Economics*
B.A., National Taiwan U.; M.A., Nebraska.
- PETER R. COFFIN, 1966- *Visiting Lecturer in Philosophy*
A.B., Brown; A.M., Chicago; Ph.D., Brown.
- EDWARD M. COLLINS, 1948- *Professor of Chemistry*
B.S., Princeton; A.M., Princeton; Ph.D., Princeton.
- DOMINICK P. CONSOLO, 1958- *Associate Professor of English*
B.A., Miami; M.A., Miami; Ph.D., Iowa.
- LIONEL G. CROCKER, 1928- *Professor and Chairman,
Speech*
A.B., Michigan; A.M., Michigan; Ph.D., Michigan.
- DWIGHT G. DEAN, 1959- *Associate Professor and Chairman,
Sociology*
A.B., Capital; B.D., Garrett; M.A., Northwestern; Ph.D., Ohio
State.
- LINDLEY RICHARD DEAN, 1921- *Professor, Eliam E. Barney Chair
of Classical Languages (part-time)*
A.B., Dartmouth; A.M., Princeton; Ph.D., Princeton.

***On leave all year, 1966-67

Personnel

- LT. COL. WILLIAM R. DETRICK, 1965- *Associate Professor of Aerospace Studies*
B.S., Manchester; M.Ed., Cincinnati.
- LAWRENCE A. DILS, 1966 *Physician for Student Health Service*
B.A., Miami; M.D., Cincinnati.
- LENTHIEL H. DOWNS, 1947- *Professor of English*
B.A., Tusculum; M.A., Iowa; Ph.D., Iowa.
- *WILLIAM R. DRESSER, 1960- *Associate Professor of Speech*
B.A., Denison; M.A., Northwestern; Ph.D., Northwestern.
- BURTON W. DUNFIELD, 1950- *Director of Admissions*
B.S., Bates.
- ***WALTER EISENBEIS, 1961- *Assistant Professor of Religion*
Ph.D., Chicago.
- ROBERT J. T. EMOND, 1965- *Assistant Professor of Economics*
B.S., Syracuse; A.B., Chattanooga.
- MARIETTA G. EMONT, 1958- *Instructor in Modern Languages (part-time)*
B.A., Wisconsin; M.A., Wisconsin.
- MILTON D. EMONT, 1954- *Professor of Modern Languages*
B.A., New Jersey State, Montclair; M.A., Middlebury; Ph.D., Wisconsin.
- KARL H. ESCHMAN, 1913- *Professor, Jessie King Wiltsee Chair of Music (part-time)*
Ph.B., Denison; A.M., Harvard; Mus.D., Denison.
- THOMAS C. ESHELMAN, 1964- *Assistant Professor of Modern Languages*
B.A., Dayton; M.A., Cincinnati; Ph.D., Cincinnati.
- EGBERT W. FISCHER, 1961- *Assistant Professor of Music*
B.A., Harvard; M.A., Western Reserve.
- MARQUERITE FLEMING, 1965- *Visiting Lecturer in Speech*
A.B., Illinois Wesleyan; M.A., Columbia; L.H.D. (hon.), Illinois Wesleyan.
- DANIEL O. FLETCHER, 1966- *Associate Professor of Economics*
A.B., Oberlin; M.A., Michigan; Ph.D., Michigan.
- CAPT. ROBERT E. FROST, USAF, 1963- *Assistant Professor of Aerospace Studies*
B.S. in Ed., Ohio State.
- THOMAS F. GALLANT, 1965- *Associate Professor and Chairman, Education*
B.A., Ohio Wesleyan; M.Ed., Maryland; Ed.D., Western Reserve.
- F. TREVOR GAMBLE, 1963- *Associate Professor of Physics*
A.B., Colgate; M.A., Connecticut; Ph.D., Connecticut.

*On leave first semester, 1966-67

***On leave all year, 1966-67

Denison University Bulletin

- DAVID A. GIBBONS, 1961- *Assistant Professor of Religion and Executive Secretary, Denison Christian Association*
A.B., Oberlin; B.D., Yale; S.T.M., Yale.
- GEORGE L. GILBERT, 1964- *Assistant Professor of Chemistry*
B.S., Antioch; Ph.D., Michigan State.
- DALE S. GOOGINS, 1962- *Assistant Professor of Physical Education*
B.S., Bowling Green State; M.Ed., Bowling Green State.
- **CHARLES E. GRAHAM, 1953- *Professor and Chairman, Geology and Geography*
B.S., State College of Washington; M.S., State College of Washington; Ph.D., Iowa.
- RODERICK M. GRANT, JR., 1965- *Assistant Professor of Physics*
B.S., Denison; M.S., Wisconsin; Ph.D., Wisconsin.
- JAMES W. GRIMES, 1961- *Professor and Chairman, Visual Arts*
B.F.A., Cornell; M.F.A., Cornell; Ph.D., Ohio State.
- COL. WILLIAM F. GRUBB, USAF, 1963- *Professor of Aerospace Studies*
B.S., Carson-Newman.
- ARNOLD GRUDIN, 1953- *Professor of Mathematics*
B.A., New York Univ.; M.A., Columbia; Ph.D., Colorado.
- WILLIAM L. HALL, 1954- *Assistant Professor of Speech*
B.A., West Virginia; M.A., West Virginia.
- ELIZABETH HARTSHORN, 1957- *Dean of Women and Professor of Personnel Psychology (part-time)*
B.S., Connecticut College for Women; M.A., Columbia; Ed.D., Univ. of California at Los Angeles.
- ROBERT R. HAUBRICH, 1962- *Associate Professor and Chairman, Biology*
B.S., Michigan State; M.S., Michigan State; Ph.D., Florida.
- MARIAN HEDGECOCK, 1965- *Assistant Dean of Women*
B.A., Whitman; M.A., Ohio State.
- CHARLES K. HENDERSON, 1956-61; 1963- *Director of Public Information*
B.A., Pennsylvania State; M.S., Ohio Univ.
- WILLIAM L. HENDERSON, 1960-63; 1965- *Associate Professor and Chairman, Economics*
B.S., Ohio State; A.M., Ohio State; Ph.D., Ohio State.
- ***MAYLON H. HEPP, 1946- *Professor, Maria Teresa Barney Chair of Philosophy, and Chairman*
A.B., Oberlin; M.A., Oberlin; Ph.D., Brown.
- LARRY L. HIPPI, 1965- *Physician for Student Health Service*
A.B., Ohio State; M.D., Ohio State.
- ERIC E. HIRSHLER, 1959- *Associate Professor of Modern Languages*
B.A., Bowdoin; M.A., Yale; Ph.D., Yale.
- PAUL S. HOFFMAN, 1966- *Instructor in Theatre Arts*
B.S., Carroll.

**On leave second semester, 1966-67

***On leave all year, 1966-67

Personnel

- WILLIAM A. HOFFMAN, JR., 1960- *Associate Professor and Chairman,
Chemistry*
B.S., Missouri Valley; M.S., Purdue; Ph.D., Purdue.
- HOWARD R. HOLTER, 1966- *Assistant Professor of History
(Russian Studies)*
B.A., Northwestern; M.A., Wisconsin.
- PAULINE O. HOOVER, 1938-1950; 1952- *Catalog Librarian*
B.A., Denison; B.S. in L.S., Western Reserve.
- JOHN K. HUCKABY, 1958- *Associate Professor of History*
B.A., Baylor; M.A., Columbia; Ph.D., Ohio State.
- STANLEY W. HUFF, 1967- *Assistant Professor of Economics*
B.A., Kenyon; M.A., Princeton.
- GEORGE R. HUNTER, 1954- *Assistant Professor of Music*
B.F.A. in Mus. Ed., Carnegie Tech.; B.F.A. in Mus., Carnegie
Tech.; M.F.A. in Mus., Carnegie Tech.
- STANLEY JONAITIS, 1956- *Associate Professor of Modern Languages*
M.A., Vilnius (Lithuania); Diploma, Institut de Phonetique
(France); Ph.D., Michigan.
- ARNOLD JOSEPH, 1963- *Assistant Professor of Modern Languages*
B.S. in Ed., Ohio State; M.A., Ohio State.
- MICHAEL JUNG, 1967- *Visiting Lecturer in Visual Arts*
B.A., Denison; M.F.A., Wisconsin.
- ZAVEN A. KARIAN, 1964- *Instructor in Mathematics*
B.A., American International; M.A., Illinois.
- RICHARD D. KIMBLE, 1966- *Visiting Lecturer in Dance
(part-time)*
- HORACE KING, 1931- *Professor of Visual Arts*
A.B., Ohio State; A.M., Ohio State.
- QUENTIN G. KRAFT, 1961- *Assistant Professor of English*
A.B., Brown; M.A., Duke; Ph.D., Duke.
- RICHARD KRAUS, 1966- *Associate Professor of English*
A.B., Michigan; A.M., Michigan; Ph.D., Stanford.
- HERMAN W. LARSON, 1944- *Assistant Professor of Music*
A.B., Augustana (S. Dak.).
- LEE E. LARSON, 1966- *Assistant Professor of Physics*
B.S., Bates; M.A., Dartmouth.
- ALFRED W. LEVER, 1963- *Assistant Professor of History*
B.S., Wisconsin; M.A., Wisconsin; Ph.D., Wisconsin.
- **NANCY ELOISE LEWIS, 1946- *Professor, Lorena Woodrow Burke
Chair of English*
A.B., Denison; M.A., Duke; Ph.D., Ohio State.

**On leave second semester, 1966-67

Denison University Bulletin

- MARY LIU, 1965- *Circulation Librarian*
B.A., National Taiwan Univ.; M.L.S., Texas Woman's U.
- IRA T. LONDON, 1963- *Assistant Professor of Psychology*
B.A., Rutgers; M.A., Delaware; Ph.D., Connecticut.
- RAYMOND A. McKENNA, 1955- *Manager of Bookstore*
B.A., Brown.
- FIONA MacKINNON, 1966- *Assistant Dean of Women*
B.A., Denison; M.S., Bridgeport.
- JAMES S. McMICHAEL, 1965- *Assistant Professor of Psychology*
A.B., Princeton; M.A., Delaware; Ph.D., Delaware.
- RICHARD H. MAHARD, 1941- *Professor of Geology and Geography*
A.B., Michigan Normal; M.A., Columbia; Ph.D., Columbia.
- CHARLES L. MAIER, JR., 1966- *Kettering Intern in Biology*
B.S., Villanova; M.S., Rutgers; Ph.D., Rutgers.
- BRUCE R. MARKGRAF, 1966- *Professor of Speech*
B.S., Wisconsin; M.S., Wisconsin; Ph.D., Wisconsin.
- *KENNETH B. MARSHALL, 1953- *Professor and Chairman, English*
A.B., Michigan; M.A., Michigan; Ph.D., Michigan.
- JAMES L. MARTIN, 1957- *Professor of Religion*
A.B., Oklahoma City Univ.; B.D., Yale; Ph.D., Yale.
- ROBERT M. MENNEL, 1966- *Instructor in History*
B.A., Denison; M.A., Ohio State.
- PAMELA D. MICHAELS, 1966- *Instructor in Theatre Arts*
B.A., Colorado; M.A., Colorado.
- JOHN N. MILLER, 1962- *Assistant Professor of English*
A.B., Denison; A.M., Stanford; Ph.D., Stanford.
- IRVING E. MITCHELL, 1949- *Professor of Sociology*
A.B., Gordon; M.A., New Hampshire; Ph.D., Boston Univ.
- ROY D. MOREY, 1965- *Assistant Professor of Government*
B.A., Northern Arizona; M.A., Arizona; Ph.D., Arizona.
- JOHN P. MORRIS, 1965- *Assistant Professor of Psychology*
B.A., Grinnell; Ph.D., Washington.
- LEROSS MORRIS, 1953- *Director of Physical Plant*
B.S., Iowa State College.
- E. CLARK MORROW, 1935- *Visiting Lecturer in Government*
A.B., Denison; LL.B., Western Reserve. (part-time)
- JOSEPHINE P. MOSS, 1950- *Assistant Reference Librarian*
A.B., Hiram; B.S. in L.S., Western Reserve.
- GABOR NEUMANN, 1965- *Instructor in Music*
Diploma, Bartok (Hungary) Conservatory; Diploma, Juilliard; B.S., Juilliard; M.S., Juilliard.

*On leave first semester, 1966-67

Personnel

- WILLIAM W. NICHOLS, 1966- *Assistant Professor of English*
B.A., Park; M.A., Johns Hopkins; Ph.D., Missouri.
- IRVING A. NICKERSON, 1956-57; 1964- *Physician for Student Health
Service and Administrator of Whisler Hospital*
B.A., Ohio State; M.D., Ohio State.
- JACK L. NORAGON, 1966- *Instructor in Government*
A.B., Doane College; A.M., Ohio State.
- GAIL R. NORRIS, 1949-51; 1959- *Professor of Biology*
B.S. in Ed., Ohio U.; M.S., Ohio State; Ph.D., Ohio State.
- *VIRGINIA C. NORTHROP, 1950-1951; 1953- *Associate Professor of
Dance*
B.A., William Smith; M.A., Sarah Lawrence.
- DOROTHA P. O'BRIEN, 1963- *Instructor in Physical Education*
B.S., Bowling Green State; M.A., Morehead State.
- RONALD R. OETGEN, 1966- *Kettering Intern in Chemistry*
A.B., Western Reserve; M.S., Western Reserve; Ph.D., Western
Reserve.
- WILLIAM OSBORNE, 1961- *Assistant Professor of Music*
Mus.B., Michigan; Mus.M., Michigan; A.Mus.D., Michigan.
- TIMOTHY D. OTIS, 1966- *Assistant Professor of Psychology*
B.A., DePauw; M.A., DePauw.
- GWILYM E. OWEN, JR., 1966- *Assistant Professor of Chemistry*
B.S., Antioch; Ph.D., Syracuse.
- HENRY M. PAUSCH, 1964- *Instructor in Economics (part-time)*
B.S.Ed., Ohio Univ.; M.S., Ohio Univ.
- *LAUREL E. PEASE, 1962- *Instructor in Economics*
B.A., Los Angeles State; M.S., San Fernando Valley State.
- LOUIS PETITO, 1953- *Controller*
B.A., Princeton; C.P.A.
- JAMES F. PILKINGTON, 1966- *Instructor in Modern Languages*
A.B., Pennsylvania; Certificate, Grenoble (France); M.A., Wis-
consin.
- KEITH W. PIPER, 1951- *Assistant Professor of Physical Education*
A.B., Baldwin-Wallace; M.A., Western Reserve.
- NORMAN H. POLLOCK, 1948- *Professor of History*
A.B., Denison; A.M., Harvard; Ph.D., Pennsylvania.
- W. NEIL PRENTICE, 1957- *Associate Professor of Mathematics*
A.B., Middlebury; A.M., Brown; Ph.D., Syracuse.
- FRED L. PRESTON, 1949- *Associate Professor of Modern Languages*
A.B., Ohio Univ.; A.M., Harvard; Ph.D., Ohio State.
- WILLIAM PRESTON, 1954- *Professor and Chairman, History*
A.B., Columbia; M.A., Columbia; Ph.D., Wisconsin.

*On leave first semester, 1966-67

Denison University Bulletin

- CALVIN K. PRINE, 1959- *Director of Development*
B.A., Denison; LL.B., Pennsylvania.
- CYRIL G. RANSOPHER, 1964- *Instructor in Sociology (part-time)*
B.S. in Ed., Ohio State; M.S. in Soc. Adm., Western Reserve.
- ALLEN L. REBUCK, 1966- *Assistant Professor of Biology*
B.S., Franklin & Marshall; M.S., Pennsylvania State; Ph.D., Duke.
- ROBERT A. ROBERTS, 1961- *Professor of Mathematics*
B.S., West Virginia Wesleyan; M.S., West Virginia; Ph.D., Michigan.
- MATTIE E. ROSS, 1952- *Associate Professor of Physical Education*
B.S. in Ed., Central Missouri State Teachers; Ed.M., Missouri; Ph.D., Ohio State.
- RICHARD W. RYAN, 1964- *Librarian*
B.A., Ohio State; M.S. in L.S., Western Reserve.
- RONALD E. SANTONI, 1964- *Associate Professor of Philosophy*
B.A., Bishop's; M.A., Brown; Ph.D., Boston.
- SAMUEL D. SCHAFF, 1948- *Registrar and Graduate School Counselor*
A.B., Denison; M.A., Ohio State; Ed.D., Columbia.
- ***MORTON L. SCHAGRIN, 1963- *Assistant Professor of Physical Science and History of Science*
B.A., Chicago; B.S., Chicago; M.A., Chicago.
- HEDWIG SCHMIDT, 1966- *Instructor in Modern Languages (part-time)*
Abitur, Burstadt Gymnasium; Teaching Degree, J. W. Goethe U. (Frankfurt).
- LEE O. SCOTT, 1952- *Professor of Philosophy and Religion and Chairman, Religion*
B.A., Occidental; B.D., Union; Ph.D., Yale.
- RICHARD S. SCOTT, 1958- *Assistant Professor of Physical Education*
B.S., Pennsylvania Military Coll.; Ed.M., Pittsburgh.
- JANE C. SECOR, 1941- *Assistant Librarian*
A.B., Ohio State; B.S. in L.S., Western Reserve.
- WALTER T. SECOR, 1940- *Professor of Modern Languages*
A.B., Grinnell; A.M., Columbia; Ph.D., Columbia.
- ROY SEILS, 1963- *Professor and Chairman, Physical Education (Men)*
B.A., Denison; Ed.M., Boston; Ed.D., Boston.
- ***ROBERT L. SHANNON, 1954- *Assistant Professor of Physical Education*
B.A., Denison; M.A., Ohio State.
- NATALIE M. SHEPARD, 1950- *Professor and Chairman, Physical Education (Women)*
B.S., Alfred; M.A., Columbia; Ed.D., New York Univ.
- MARK W. SMITH, 1953- *Dean of Men and Professor of Psychology (part-time)*
B.A., Ohio State; M.A., Ohio State; Ph.D., Ohio State.

***On leave all year, 1966-67

Personnel

- ***RICHARD G. SMITH, 1955- *Assistant Professor of Theatre Arts*
B.S., Purdue; M.A., Illinois.
- R. TYLER SMITH, 1966- *Assistant Professor of Education*
B.S., Bowling Green State; M.S., Indiana.
- WYNDHAM M. SOUTHGATE, 1946- *Professor of History*
B.A., Harvard; M.A., Harvard; Ph.D., Harvard.
- DWIGHT R. SPESSARD, 1953- *Professor, Wickenden Chair
of Chemistry*
B.S., Otterbein; Ph.D., Western Reserve.
- DAVID A. SPRINTZEN, 1966- *Assistant Professor of Philosophy*
B.A., Queens; M.A., Pennsylvania State.
- DAVID P. STANFORD, 1965- *Assistant Professor of Mathematics*
B.A., Hartwick; M.A., North Carolina.
- CHARLES W. STEELE, 1949- *Professor and Chairman,
Modern Languages*
A.B., Missouri; M.A., California; Ph.D., Ohio State.
- WARREN STEINMAN, 1964- *Assistant Professor of Psychology*
B.A., University of California at Los Angeles; M.S., Washington;
Ph.D., Washington.
- GLENN D. STENNETT, 1965- *Assistant Professor of
Physical Education*
B.A., Clarion; M.A., Westminster.
- BEATRICE P. STEPHENS, 1947- *Executive Secretary, Denison
Society of the Alumni*
A.B., Lawrence.
- CEPHUS L. STEPHENS, 1949- *Professor of Government*
B.S., Ohio State; M.A., Ohio State; Ph.D., Ohio State.
- ***ANDREW STERRETT, 1953- *Professor and Chairman, Mathematics*
B.S., Carnegie Tech.; M.S., Pittsburgh; Ph.D., Pittsburgh.
- CHARLES J. STONEBURNER, 1966- *Assistant Professor of English*
A.B., DePauw; B.D., Drew; M.A., Michigan; Ph.D., Michigan.
- R. ELLIOTT STOUT, 1966- *Assistant Professor of Theatre Arts*
B.A., Ohio State; M.A., Ohio State; Ph.D., Ohio State.
- MORTON B. STRATTON, 1943- *Professor of History*
A.B., Tufts; A.M., Pennsylvania; Ph.D., Pennsylvania.
- FERRIS THOMSEN, JR., 1965- *Instructor in Physical Education*
B.S.Ed., Pennsylvania.
- JOHN R. THORNBOROUGH, 1961- *Instructor in Biology*
B.S., Ohio State; M.S., Ohio State.
- EDWARD N. TODD, 1959- *Assistant Professor of History*
B.A., North Texas State; M.A., Johns Hopkins.
- DONALD G. TRITT, 1959- *Director of the Psychological Clinic*
B.S., Ohio State; Ph.D., Chicago.

***On leave all year, 1966-67

Denison University Bulletin

- HARRY V. TRUMAN, 1948- *Professor of Biology*
A.B., Ohio Wesleyan; A.M., Western Reserve; Ph.D., Wisconsin.
- DONALD M. VALDES, 1953- *Professor of Sociology*
B.A., New Jersey State, Montclair; M.A., George Peabody; Ph.D., Ohio State.
- ELIZABETH C. VANHORN, 1953- *Associate Professor of Physical Education*
B.S. in Ed., Miami; M.S., Wellesley; Ph.D., Ohio State.
- LAUREL R. WALUM, 1963- *Assistant Professor of Sociology*
A.B., Chicago; B.A., Chicago; Ph.D., Colorado.
- DAVID S. WATSON, 1954- *Professor of History*
B.A., Illinois College; Ph.D., Chicago.
- MARJORIE WATSON, 1959- *Instructor in Sociology (part-time)*
- CHARLOTTE F. WEEKS, 1944- *Assistant Director of Admissions*
A.B., Denison; M.A., Columbia.
- DARRELL P. WELCH, 1966- *Acquisitions Librarian*
B.A., State Univ. of New York (Albany); M.A., State Univ. of New York (Albany); M.S. in L.S., State Univ. of New York (Albany).
- WILLIAM S. WESTBROOK, 1962- *Assistant Professor of Economics*
B.S. in Commerce, Ohio U.; M.A., Ohio U.
- MARION WETZEL, 1946- *Professor, Benjamin Barney Chair of Mathematics*
A.B., Cornell College; M.A., Northwestern; Ph.D., Northwestern.
- SAMUEL C. WHEELER, 1948- *Professor, Henry Chisholm Chair of Physics, and Chairman, Physics and Astronomy*
A.B., Miami; M.S., Illinois; Ph.D., Ohio State.
- CLARKE L. WILHELM, 1962- *Assistant Professor of History*
B.A., Minnesota; M.A., Johns Hopkins.
- RONALD R. WINTERS, 1966- *Assistant Professor of Physics*
A.B., King.
- ***FREDERICK M. WIRT, 1952- *Professor of Government*
B.A., DePauw; M.A., Ohio State; Ph.D., Ohio State.
- IRVIN S. WOLF, 1954- *Professor and Chairman, Psychology*
A.B., Manchester; M.A., Indiana; Ph.D., Indiana.
- L. EUGENE WOLFE, 1935-37; 1966- *Executive Assistant*
A.B., Denison.
- DAVID O. WOODYARD, 1960- *Dean of Chapel and Assistant Professor of Religion*
B.A., Denison; B.D., Union; S.T.M., Oberlin.
- ***EDWARD A. WRIGHT, 1937- *Professor of Theatre Arts*
A.B., Iowa; A.M., Iowa; D.F.A. (hon.), Iowa Wesleyan.

***On leave all year, 1966-67



Student-Faculty Executive Committee meets to discuss mutual areas of concern

Picturesque sundial in front of Swasey Chapel



The traditional Maypole Dance is performed at Denison's May Day celebration in Livingston Gymnasium.



Summary of Enrollment

First Semester, 1965-66

<i>State</i>	<i>Men</i>	<i>Women</i>	<i>Total</i>
Alabama	0	1	1
Arizona	1	1	2
California	7	4	11
Colorado	2	3	5
Connecticut	29	23	52
Delaware	2	5	7
District of Columbia	3	2	5
Florida	5	5	10
Georgia	1	0	1
Hawaii	1	0	1
Illinois	98	85	183
Indiana	29	27	56
Iowa	4	1	5
Kansas	4	1	5
Kentucky	6	11	17
Louisiana	1	1	2
Maine	1	0	1
Maryland	17	14	31
Massachusetts	20	12	32
Michigan	46	43	89
Minnesota	1	3	4
Missouri	5	8	13
Nebraska	0	1	1
New Hampshire	6	0	6
New Jersey	41	33	77
New York	88	68	156
North Carolina	2	1	3
Ohio	324	231	555
Pennsylvania	146	86	232
Rhode Island	5	2	7
Tennessee	0	1	1
Texas	2	8	10
Vermont	0	3	3
Virginia	8	10	18
Washington	2	0	2
West Virginia	4	19	23
Wisconsin	7	12	19
Total in U.S.A.	921	725	1,646

Summary of Enrollment

<i>Countries</i>	<i>Men</i>	<i>Women</i>	<i>Total</i>
Canada	3	1	4
Argentina	0	1	1
Australia	1	0	1
Belgium	1	1	2
Colombia	0	1	1
Ethiopia	0	1	1
India	0	2	2
Sweden	0	1	1
Turkey	1	0	1
Virgin Islands	1	0	1
West Germany	2	0	2
	<hr/> 9	<hr/> 8	<hr/> 17
Grand Total	930	733	1,663
Total States Represented			36
Total Foreign Countries Represented			11

STUDENT ENROLLMENT FOR 1965-66

	<i>First Semester</i>			<i>Second Semester</i>		
	Men	Women	Total	Men	Women	Total
Seniors	188	152	340	185	153	338
Juniors	196	153	349	212	148	360
Sophomores	268	205	473	241	200	441
Freshmen	278	223	501	274	220	494
TOTAL	<hr/> 930	<hr/> 733	<hr/> 1,663	<hr/> 912	<hr/> 721	<hr/> 1,633
Part-time and Special	9	27	36	7	16	23
GRAND TOTAL	<hr/> 939	<hr/> 760	<hr/> 1,699	<hr/> 919	<hr/> 737	<hr/> 1,656
Music Department						
College Rank	20	44	64	13	47	60
Non-College	0	4	4	0	1	1
Music Total	<hr/> 20	<hr/> 48	<hr/> 68	<hr/> 13	<hr/> 48	<hr/> 61
						245

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